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USATSARCOM TECHNICAL REPORT 77 - 4



HISTORICAL INFLATION PROGRAM

A COMPUTERIZED PROGRAM GENERATING HISTORICAL INFLATION INDICES FOR THE PROCUREMENT OF ARMY AIRCRAFT

WARREN H. GILLE, JR.

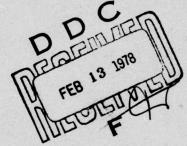
FINAL REPORT

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JANUARY 1978

U.S. ARMY TROOP SUPPORT AND AVIATION MATERIEL READINESS COMMAND COMPTROLLER **COST ANALYSIS DIVISION** 4300 GOODFELLOW BLVD. ST. LOUIS, MISSOURI 63120



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ABSTRACT (Continue on reverse side if necessary and identify by block number) This report extends and revises Technical Report 76-1B which presents and describes the Historical Inflation Program, a computerized program generating historical inflation indices for the procurement of Army aircraft. The program can be updated monthly, is easily revised for changes in Bureau of Labor Statistics methods, and capable of handling data for all fiscal year formats. Output is expressed as monthly, quarterly, calendar year inflation indices (in Calendar Year 1967 base) and inflation factors (in any Fiscal Year base). This report contains updated tables of inflation factors, expressed in a FY 77 base.

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20. ABSTRACT

These indices and factors provide a means of adjusting historical cost data for the procurement of Army aircraft to constant year dollars. Additional features include: computations for the Derivation of Revised Weighting Factors, detailed indices enabling the adjustment of historical Labor and Material cost separately a discussion of aggregate weighting factors for Labor and Materials, including trends from sensitivity analysis, and a more complete explanation, and additional documentation, aimed at making the report more useful to a larger cross section of the DOD community.



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Miss Anne Kondracki, Miss Mary Mager, and Miss Paula Smith not only provided excellent clerical support, but also even smiled occasionally amidst all the problems and hard work.

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I. <u>APPLICABILITY</u>. The inflation indices and factors published in this report are applicable to the adjustment of historical costs for the procurement of Army aircraft. These costs are currently funded by the Aircraft Procurement, Army appropriation.

II. AN OVERVIEW OF THE HISTORICAL INFLATION PROGRAM.

A. History.

The Historical Inflation Program for Army aircraft procurement was developed using a sequence of documents, the first being Aerospace Price Indices, by H. G. Campbell (RAND #R-568-PR, 12/70). Essentially, the RAND document established a basis for the construction of general indices, identified items of special interest and concern, and indicated that no substitute exists for thorough analysis of the specific items being characterized by an historical index. Several indices, designed specifically for rotary wing aircraft, have been developed for the adjustment of procurement cost since that time by the United States Army Aviation Systems Command, and this function has been carried over to the Aircraft Analysis Branch, Cost Analysis Division, Office of the Comptroller, USATSARCOM.

The current indices are based on research done in the period 1972 to date. In June 1973, the Office of the Comptroller, Cost Analysis Division, made a study of materials used in the Army helicopter systems then, or most recently, in production. Cost Information Reports were assembled, and contractors were requested to supply lists of materials for both airframe and engine, on the basis of contribution to weight. Contractor technical and engineering personnel provided assistance with data interpretation and definitions for those items whose composition was unclear from engineering documents and Detailed Weight Statements.

The following aircraft were selected:

UH-1H OH-6A AH-1G CH-47C OH-58A CH-54B

These are currently deemed typical, for several reasons.

First, the time period June 1973 is the center of the 1969-1977 range. Second, a number of these aircraft had been produced on a long term, continuing basis in previous versions. And, most important, they are among the systems most likely to be used in developing Cost Estimating Relationships for new systems by use of parametric techniques.

The September 1973 Historical Inflation Cost Research Report, cited in the references, was the first report to make full use of this information. It was updated by the August 1974 Cost Research Report, and then by a series of expanded analyses under current title, Historical Inflation Program, since that time.

A list of the assumptions and changes in methodology over the period referenced are included in the body of the Technical Section.

B. Construction of Indices - Methodology.

The indices are developed by a stepwise, building process, which computes the contributions to cost on a weighted value-added basis.

- First, the contribution to cost of small parts and other purchased equipment is calculated.
- 2. Next, this cost contribution of purchased parts is combined with that of raw materials to get the cost of purchased materials.
 - 3. Purchased material cost is then combined with contractor

labor cost to compute the index for products such as engine or airframe.

4. The indices for engine, airframe, and avionics are combined to get an overall index for aggregate aircraft.

C. Indexing Technique.

The procedure used is "Cost-Weighting". The information obtained from 1973 research on "helicopter materials" established percentages based on weight. Because the indices used to track material costs are based on monetary considerations, (e.g., Wholesale Price Index; Wages, by Standard Industrial Code), percentages by weight had to be transformed into percentage contributions to cost, if WPI and SIC inflation factors were to be applied directly. Based on the premise of profit maximization, contractors should tend to minimize the use of expensive materials subject to maintaining acceptable performance standards; essentially, materials with a high cost per unit weight ratio would be used sparingly. Adjusting a percentage based on weight using a monetary index would not only result in an improper index initially, but also one with diminishing reliability. The latter bias is avoided by calculating the contribution to cost, instead of merely the contribution to weight.

D. Weighting Factors. Although the model is developed by an iterative, stepwise process, the revised weighting factors in the table (at the end of Appendix B) implicitly include all calculations. The index, as stated, is merely the direct sum of

the products of the weights and their corresponding material index values. The development of weighting factors is illustrated in the Technical Section.

E. <u>Data</u>. The data used appear in two different forms. Yearly data are presented by Calendar Year 1947 to date, and monthly data for 1967 to date. The yearly data, pre 1958, are condensed into three columns; the data for 1958 and later are presented in an 18 column format - 14 columns for material inputs, and 4 for labor. Beginning with report 76-1B, all columns of the data set will be identified by WPI and SIC code, as well as a verbal description in the column heading. <u>PLEASE NOTE</u>: The data, their characterization, and any redefinition, by the Bureau of Labor Statistics over the years, are tracked in line diagram C-2.

F. Validity and Firmness of Data.

The Wholesale Price Index and Wage Data was supplied by the Kansas City Regional Office of the Bureau of Labor Statistics,

U.S. Department of Labor. The data comes in three types of published form: (1) a cumulative history covering all relevant past years on a monthly basis, (2) A yearly edition (such as Wage and Price Index Annual Supplement) which lists the previous 12 months, and (3), monthly publications which list the most current month and several other months for comparison.

For data to be "firm" it must be at least 18 months old, in most cases, because it is benchmarked and adjusted after the fact. For example, small samples are taken throughout the year; however, during one month (the benchmark month), a much more comprehensive

sample is taken. Due to its significantly larger sample size, the benchmark month's sample is felt to be more representative than those of other individual months, and if the benchmark diverges from the pattern, the other months are adjusted proportionately to conform to its base as benchmark.

The data in the cumulative history 'type' publication is felt to be firm or "final". Basically, such publications provide a chronological listing of all firm data available for the past history of those indices. However, the data in such publications is usually 18 to 24 months behind the current period. The data for each month listed in the Annual Supplements is not necessarily firm because benchmarks occur during the Calendar Year, and at different times for different series. Adjustments may not have been made before the Annual Supplements are published. The monthly publications which contain information on the most current periods, are even more tentative. In general, the Wholesale Price Index Data are firm before Wage Indices for the corresponding month, probably due to the fact that it is easier to define and measure price changes for commodities than for human skills.

G. Particular Problems.

1. The Wage Data during the period CY 1971 - CY 1973 has changed, in many cases, over the past 24 months. The wage-price freeze disallowed certain salary and wage increases, but a number of these were awarded on a retroactive basis based on legal decisions rendered several years after the fact. Since such payments involved costs directly attributable to labor services, that

component had to be included in the indices to get a meaningful measure of labor earnings.*

2. Possible discrepancies, such as the Engine Production Labor Value (SIC 3722) for Dec 75, were reviewed with BLS personnel and verified to be as stated. All data was verified to be the latest and most accurate available, according to information provided by BLS personnel on 28 December 1977.

H. Change in Content from the Previous Reports.

The printout of the computer program compilation used for the Historical Inflation Program is not included in this report, for two reasons. First, it was found that a list of structural equations would better serve the purpose of elucidating the model. At the same time, with the reduced form equations and clearly identifiable data sets, any index figure can be checked by direct calculation (See Appendix B, page B-4). Second, direct duplication of the deck from the original is more accurate and efficient than keypunching copies from the program source listing, should such an external need ever realistically develop.

A sensitivity analysis, which displays the effects resulting from a change in the relative weights of labor and material in the Historical Index, has been included in this revision. The percentage contribution to cost attributable to labor and materials varies among aircraft systems, and the values used in this report--378 (materials) and .622 (labor)--are an average for the six *See BLS Bulletin No. 1312-10, Employment and Earnings 1909-75 for a detailed explanation (esp. P. 769).

systems referenced. The sensitivity analysis yields a measure of the extent to which the index for a single aircraft system would vary, if that system is built with an aggregate labor/material mix which differs from the six system average. The accuracy of the reweighted index, however, also requires that the other assumptions be well satisfied—i.e., the 14 material and 4 labor indices are typical of the system being reviewed. Because such weighting is a concern in developing estimates in inflated dollars, the effect of such "weighting changes" should be of significant interest to many readers.

TECHNICAL SECTION

III. ANALYSIS: (TECHNICAL SECTION).

A. Chronology. Previous efforts related to the development of inflation indices include Aerospace Price Indexes by H. G. Campbell, RAND Corporation, December 1970 (Reference 1) and two Cost Research Reports: Historical Inflation Indices for Army Aircraft, Cost Analysis Division, Office of the Comptroller, US Army Aviation Systems Command, September 1973 (Reference 3), and Historical Inflation Indices for Army Aircraft, Cost Analysis Division, Office of the Comptroller, US Army Aviation Systems Command, August 1974 (Reference 4).

1. Characteristics of the RAND Report.

- a. Specific Wholesale Prices and Price Indexes (Reference 7) and Employment and Earnings (Reference 2) data have been selected as proxy series for similar commodity and labor categories experienced in the procurement of Army aircraft. Aircraft inflation indices are constructed from a weighted average of these proxy series. The weighting factors for this average are derived from estimates of the relative contribution to the total aircraft cost made by each component (commodity or industry labor group) comprising the index. The index is thus a "cost-weighted" series.
- b. A 2½ percent compounded annual rate for growth of overhead ratios is assumed.
 - c. No adjustment is made for productivity increases.
 - d. Indices are developed on a Calendar Year basis.
 - 2. Characteristics of the September 1973 Cost Research Report.

- a. As with the RAND Report, aircraft inflation indices have been constructed from a weighted average of <u>Wholesale Prices and Price</u>

 Indexes and <u>Employment and Earnings</u> data selected as proxy series for their similarity to those commodities and labor categories experienced in the procurement of Army aircraft. Weighting factors are proportional to the relative physical weights or masses, rather than the relative costs (as in the RAND Report), of commodities comprising the "composite material" portion of the index. Thus, the "composite material" portion of the index represents a "weight-weighted" series.
- b. Like the RAND Report, a 2½ percent annual growth in the overhead ratio is assumed.
 - c. No adjustment is made for productivity increases.
 - d. Indices are developed on a Calendar Year basis.
- e. For years for which certain specified Wholesale Price Indexes were unavailable, data has been projected from adjacent years.
 - 3. Characteristics of the August 1974 Research Report.
- a. As before, Wholesale Prices and Price Indexes and Employment and Earnings data have been selected as proxy series most similar to those commodities and labor categories experienced in the procurement of Army aircraft. The indices have been constructed from a weighted average of these proxy series utilizing the weighting factors used in the September 1973 Cost Research Report. The "composite material" portion of the index represents a "weight-weighted" series.
- b. Unlike RAND and the September 1973 Cost Research Report, no adjustment for overhead growth is assumed.

- c. No adjustment for productivity increases is assumed.
- d. Indices have been extended to FY 1974 by assuming that data for the September 1973 Cost Research Report represented December and hence the Fiscal Year midpoint, rather than the annual average, of each calendar year.
- e. For years for which certain specified Wholesale Price Indexes were unavailable, data has been projected from adjacent years.
- B. Data Sources. Data sources for this report are Wholesale Prices
 and Price Indexes (reference 7) and Employment and Earnings (reference 2).

 To insure that the latest revisions were incorporated into the data base,
 data was obtained from the Bureau of Labor Statistics Information Center,
 and Annual Supplements to the Wholesale Prices and Price Indexes. For
 Employment and Earnings, data for any given month was obtained from the latest
 available source. Data used in this report are displayed in Appendices D,
 E, G, and H.

C. Methodology.

1. Overhead and Productivity Adjustments. On the basis of data covering a ten year period, the RAND Report concluded that there exists a secular growth trend of 2½ percent per year in the production overhead rate. The report also concludes that there has been little, if any, improvement in productivity to counteract the observed trend in overhead growth. This conclusion appears to be unwarranted, particularly in light of productivity gains recorded (as measured by Industrial Production Indices) for similar sectors of industry. Thus, in order not to unduly bias the results of the analysis, this report makes no adjustment for either overhead growth or improvements in productivity.

- 2. Revision of Weighting Factors. From a number of Cost Information Reports, the following weighting factors were developed and reported in the September 1973 Cost Research Report. For the Airframe:
 - (.378) Raw Material + (.622) Labor 3723,9 = Purchased Equipment
 - (.582) Purchased Equipment + (.418) Raw Material = Total Material
 - (.378) Total Material + (.622) Labor 3721 = Total Airframe

For the Engine:

- (.599) Raw Material + (.401) Labor 3723,9 = Purchased Equipment
- (.295) Purchased Equipment + (.705) Raw Material = Total Material
- (.599) Total Material + (.401) Labor 3722 = Total Engines

And for Avionics:

(.315) Material + (.685) Labor 3674,9 = Total Avionics

In the previously published indices, the weighting factors used to develop the material portion of the indices were made proportional to the relative physical weights of the various commodities used in the construction of the aircraft. The material portion of these indices thus represent a "weight-weighted" series. In order to be consistent with the intended purposes of an inflation index, the methodology in this program uses index weighting factors proportional to the numerical products obtained from multiplying the relative physical commodity weights by the appropriate base year cost per pound. This yields a "cost-weighted" index giving more weight to such expensive commodities as titanium. Unfortunately, however, price per pound data are not published in Wholesale Prices and Price Indexes for each of the commodities used in contructing the indices. To overcome this difficulty, the per pound price is estimated from the available data of the most closely related commodities. To minimize the

effect from related commodities which have relatively little economic impact, each price per pound estimate has been developed from a weighted average of available data utilizing the Bureau of Labor Statistics 1975 revised relative weights published in the 1975 Annual Supplement to Wholesale Prices and Price Indexes. The available data then constitutes a weighted sample from which a surrogate price per pound is computed for the Wholesale Price series in question. See Appendix A for the Computations for the Derivation of these Revised Weighting Factors, along with their associated cost contribution per pound.

3. Construction of Indices.

- a. Calendar Year 1967 has been taken as the base of these indices because this year represents the approximate midpoint of the period (1958-1977) for which the data supports the development of each of the indices, including those which account for avionics. Furthermore, 1967 conforms to the base used by the Bureau of Labor Statistics for Wholesale Price Indexes.
- b. Appendix B contains the current Wholesale Price Index series,
 Earnings series, and the associated weighting factors used in the construction of the indices published in this report. Since some of these
 series have been in existence for only a limited time, other closely
 related series have been substituted with appropriate mathematical adjustments to insure continuity of the indices. This technique is considered
 preferable to the synthesis of data by projection from adjacent years.

 Appendix C depicts the historical flow and identifies the effective dates
 of series conversions, for the Wholesale Price Index and Earnings data

used in the development of the indices published in this report.

- c. The term "aggregate" has been selected to indicate inflation indices applicable to the combined Airframe and Engine (aggregate Air Vehicle Excluding Avionics) and to the combined Airframe, Engine, and Avionics (Aggregate Air Vehicle Including Avionics) to avoid confusion with the term "composite" as in "composite escalation indices". Aggregate indices are based upon a standard 70-20-10 weighting (see Reference 5) of the Airframe, Engine and Avionics Indices respectively. Aggregate indices are intended for the adjustment of historical cost data for which the distribution of costs for the Airframe, Engine, and Avionics components is unavailable.
- d. A new section depicting the raw material portion of the inflation indices is published as Appendix I. It is intended for applications requiring greater accuracy. Appropriate labor indices can be obtained from the Bureau of Labor Statistics Employment and Earnings series (Reference 2) as follows:

Labor Category	SIC Code	Industry
Airframe Contractor	3721	Aircraft
Airframe Subcontractor	3723, 9	Other aircraft parts and equipment
Engine Contractor	3722	Aircraft engines and engine parts
Engine Subcontractor	3723, 9	Other aircraft parts and equipment
Avionics	3674, 9	Other electronic components
Aggregate Air Vehicle Excluding Avionics	372	Aircraft and parts

- e. The basic computational methodology is as follows:
- (1) For Components : Airframe, Engine, and Avionics.
- (a) Calendar Year indices are computed using sum of weighted calendar year labor and material indices.

- (b) Fiscal Year indices are computed in a manner similar to Calendar Year, but the yearly fiscal averages are generated from the monthly data.
- (c) Quarterly Indices three months are averaged from monthly data set.
- (d) Monthly direct calculations using monthly data. A weighted average of monthly figures computed in the same manner as calendar year indices.
 - (2) Aggregate Vehicle.
 - (a) Aggregate Vehicle without Avionics = (.7) Airframe + (.2) Engine
 .9

 - (3) Reduced form equations are specified in Appendix B-3.

IV. DESCRIPTION OF COMPUTER PROGRAM AND ASSOCIATED APPENDICES. The Historical Inflation Program is a computerized program for generating historical inflation indices for the procurement of Army aircraft. Appendices D and G contain the annual data used by the program, while the monthly data, commencing July 1967, are in Appendices E and H. Wholesale Price Index and Earnings data in these Appendices have been arrayed into columns with the same numerical code sequence used in Appendix B. Historical inflation indices and factors are published in Appendix F. Fiscal Year, quarterly, and monthly indices have been develored from the appropriate monthly data. A section containing the raw material portion only of these indices is published as Appendix I. The labor portion of these indices may be obtained by applying the methodology described in paragraph III.C. 3. d, to the data contained in Appendices D and E. Appendix J contains a sensitivity analysis which displays the effect on the indices resulting from changing the labor to material ratio, in terms of percentage contribution to cost.

V. PEFERENCES.

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APPENDIX A Computations For The Derivation Of Revised Weighting Factors For The Historical Inflation Program

COMPUTATIONS FOR THE DERIVATION OF REVISED WEIGHTING FACTORS FOR THE HISTORICAL INFLATION PROGRAM

Weighted ⁴ 1967 Price Per Pound	.2376	.0737	.5531	.0497	.14	.3595	.4185
Product 3	.001585 .001793 .004097 .003822 .003 .008199 .004671 .002228						
Weight ²	.006 .009 .020 .020 .020 .009						
1967 Price Per Pound	. 1992 . 1992 . 1951 . 1820 . 25 . 41 . 2224 . 2476	.0737	.5531	.0497	.14	.3595	.4185
Commodityl	RUBBER AND PLASTIC PRODUCTS Latex No. 1 Ribbed Smoked Sheets No. 2 Ribbed Smoked Sheets No. 3 Amber Blanket Butyl, Regular Neoprene, GN Type Styrene Butadiene, Hot Polybutadiene, Non-Staining Whole Tire Reclaim	SHEETS, C.R., CARBON	SHEETS, C.R., STAINLESS	STEEL CASTINGS CLOSED DIE FORGINGS Ingot Molds	LEAD, PIG, COMMON	MAGNESIUM, PIG INGOT	ALUMINUM SHEET
WPI Code	07 11 01 01 02 03 03 04 02 11 12 13 15 03 21	10 13 02 62	10 13 02 64	10 15 01 41 10 15 01 53 10 15 01 11	10 22 01 11	10 22 01 51	10 25 01 01
	A 2						

Weighted ⁴ 1967 Price <u>Per Pound</u>	.6315	.6315	.6216	1.3752	5.2926
Product 3			.073 .03774 .03764 .07478		
Weight ²			.121 .082 .048 .108		
1967 Price Per Pound	.6315	.6315	.6033 .4602 .7841	1.3752	5.2926
Commodity	ROD, SCREW, MACHINE STOCK	EXTRUSION, SOLID CIRCLE SIZE 4 TO 5 Rod, Screw, Machine Stock	COPPER AND BRASS MILL SHAPES Cartridge Brass Strip, 70-30 Alloy Yellow Brass Rod (62-35-3 Alloy) Yellow Brass Tube (70-30 Alloy) Copper Sheet or Strip	MONEL SHEET, CR 400 ALLOY	TITANIUM MILL SHAPES ⁵ Titanium Bar, Ground, 6AL-AV
WPI Code	10 25 01 13	10 25 01 17 10 25 01 13	10 25 02 31 32 33 55	10 25 04 63	10 25 0 5 25

- Capitalized and Underlined Commodity Titles indicate WPI Series actually used in the Historical Inflation Program. ۲, NOTES:
- Weight is Bureau of Labor Statistics Revised Relative Weight for the Wholesale Price Index. Source: 1975 Annual Supplement to Wholesale Prices and Price Indexes. 5.
- Product = (1967 Price Per Pound) x (Weight). 3.
- Weighted 1967 Price Per Pound = <u>Products</u>
 Weights 4.

NOTES (Continued):

1967 Titanium Bar Price Per Pound computed by utilizing Titanium Sponge index as surrogate for 1967 - Dec 1970. Titanium Mill Shapes index established December 1970. Titanium Sponge index for December 1970 is 95.5. 5

Figures may not compute due to rounding.

														mit acc		
y cost	contr. t	Engine	.0023		.2625		.0059		.0225	.0071	.0021	.0051	.0025	.1364	.0817	.5281
crost a	contr. t	Airframe	.6211	.0021		. 0057		.0007	.0062	.0560	.0142	.0422	.0159	.0079	.0691	.2411
	contr. to cost per 1b.	Engine	.00285		.32301		.00725		.02768	.00879	.00253	.00632	.00311	.16777	10056	.64986
	contr. to cost per lb.	Airframe	.04039	.00405		.01093		.0014	.01186	.10715	.02715	.08083	.03046	.01513	.13231	.46167
N OF OGRAM	1967 COST	Per Pound	.2376	. 0737	.5531	.0497	. 0497	.14	.3595	.4185	.6315	.6315	. 5216	1.3752	5.2926	
FOR THE DERIVATION WEIGHTING FACTORS	contrib. to	Engine	. 012		. 584		.146		.077	.021	400.	.01	.005	.122	010	1.000
COMPUTATIONS FOR THE DERIVATION OF REVISED WEIGHTING FACTORS OR THE HISTORICAL INFLATION PROGRAM	contrib. to weight	Airframe	.17	.055		. 22		.01	.033	.256	.043	.128	.049	.011	.025	1.000
COMPUTATIONS REVISED FOR THE HISTOR		Commodity	Rubber and Plastic Products	Sheets, C.R., Carbon	Sheets, C.R., Stainless	Steel Castings .	Closed Die Forgings	Lead, Pig, Common	Magnesium, Pig Ingot	Aluminum Sheet	Rod, Screw, Machine Stock	Extrusion, Solid Circle Size 4 to 5	Copper and Brass Mill Shapes	Monel Sheet, CR 400 Alloy	Titanium Mill Shapes	
		WPI Code		10 13 02 62	10 13 02 64	10 15 01 41	10 15 01 53	10 22 01 11	10 22 01 51	10 25 01 01	10 25 01 13	10 25 01 17	10 25 02	10 25 04 63	10 25 05	

RAW MATERIAL CONTRIBUTION TO COST WEIGHTING FACTORS. 11 (RELATIVE IMPORTANCE OF MATERIAL (RAW) IN OVERALL INDEX) ADJUSTMENT FACTOR × 1967 COST ë PER × PREVIOUS WEIGHTING FACTORS CONTRIBUTION TO MEIGHT:

Revised Weighting Factors Proportional to Cost Contribution Per Pound.

Previous Weighting Factors expressed as a proportion of "composite material" index.

Revised Weighting Factors expressed as a proportion of the total index.

Previous Technical Report (TR 76-1) omitted nickel component (represented by Monel Sheet) from Engine index.

COMPUTATIONAL FORMULA

NOTE:

APPENDIX B
Wholesale Price Indexes And Earnings Series
Used In
Historical Inflation Program
With Revised Weighting Factors

WHOLESALE PRICE INDEXES AND EARNINGS SERIES USED IN HISTORICAL INFLATION PROGRAM AND REVISED WEIGHTING FACTORS

Remarks	to convert to 67 Base To convert to 67 Base MONEL METAL MONEL METAL	T-87 AT) component Multiply
Avionics	Tuan Inton	.3150
Engine	.0023 .2625 .0059 .0225 .0071 .0021 .0051	.4010
Airframe	.00211 .0021 .0057 .0062 .0560 .0142 .0422 .0159	.6220
Commodity	Rubber and Plastic Products Sheets, C.R., Carbon Sheets, C.R., Stainless Steel Castings Closed Die Forgings Lead, Pig, Common Magnesium, Pig Ingot Aluminum Sheet Rod, Screw, Machine Stock Extrusion, Solid Circle Size 4 to 5 Copper and Brass Mill Shapes Monel Sheet, CR 400 Alloy **	onic Com Electron ft Aircraft
WPI Code	07 10 13 02 62 .04 10 13 02 64 10 15 01 41 .05 10 22 01 11 10 22 01 11 10 25 01 01 .02 10 25 01 13 10 25 01 13 10 25 01 63 10 25 04 63	11 78 SIC 3674,9 3721 3722 3723,9
Var	(13) (13) (13) (13) (13) (13) (13) (13)	(14) (15) (16) (18) 8 5

COMPUTATIONAL FORMULAS : Labor Cost Indexes

The dollar to percentage conversions for the labor categories are pressed in dollars/hour, labor cost must be converted to a percentage (index) before cal-The data concerning cost of labor services is supplied by the Bureau of Labor Statistics, exas hourly wage rates by Standard Industry Codes, and is reported on a regular basis in Employment and Earnings. Because the material indices are percentages, and wages are culations can be made.

	INDEX	INDEX	INDEX	INDEX
	x 100% =	= %001 X	x 100% =	x 100% =
	×	×	×	×
	÷ 2.34	3.49	3.42	3.35
	+	+	+	1.
	Current Hr. Wage	Current Hr Wage	Current Hr. Wage	Current Hr. Wage
Industry	Other Electronic Components	Aircraft Production Workers	Aircraft Engines and Engine Parts.	Other Aircraft Parts and Equipment.
made as follows:	3674,9	3721	3722	3723,9
made	(15)	(16)	(17)	(18)

Numerical Coefficient for Titanium Index (V-13) must be multiplied by .955 for data after DEC 1970 due to change in definition

REDUCED FORM EQUATION

Airframe =
$$.0211 (V-1) + .0021 (V-2) + .0057 (V-4) + .0007 (V-6)$$

$$.0062 (V-7) + .056 (V-8) + .0142 (V-9) + .0422 (V-10)$$

$$\frac{\text{ne}}{\text{ne}}$$
 = .0023 (V-1) + .2625 (V-3) + .0059 (V-5) + .0225 (V-7)

NOLE

DATA/DEVELOPMENT

.6850 (V-15) (100/2.34)

.3150 (V-14) +

Avionics

B 4

(1) Calendar Year Data - As given on printout.

(2) Monthly Data - As specified on printout.

(3) Quarterly Data - Development from Monthly.

Quarterly =
$$\left[(Monthly_{T-1}) + (Month_T) + (Month_{T+1}) \right] / 3$$

appropriate quarterly data. Developed using Data Fiscal (4)

iscal Year Average =
$$Q_1 + Q_2 + Q_3 + Q_4$$

(Quarters of Fiscal Year)

Variables specified on preceding chart.

APPENDIX C

HISTORICAL FLOW OF WHOLESALE PRICE INDEXES AND
EARNINGS SERIES USED IN HISTORICAL INFLATION
PROGRAM WITH PEVISED WEIGHTING FACTORS

SIC Code WPI Code -3674,9 372 -3721 -3723,9 Calendar Year 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 DE HISTORICAL PLOW OF WHOLESALE PRICE INDEXES AND EARNINGS SERIES USED IN HISTORICAL INFLATION PROGRAM Titanium Mill Sheets
Machinery and Equipment
Electrical Machinery and Equipment
Electronic Components Futher and Plastic Products Metals and Metal Products Steel Sheets Steel Sheets Steel Castings Micel Castings Copper and Brass Mill Shapes Monel Sheet Electronic Components Aircraft and parts Aircraft Engines Other Aircraft Magnessing Ingot
Titonium Sponge
Aluminum Shapes
Aluminum Sheet
Aluminum Sheet Industry

13

63

APPENDIX D

ANNUAL DATA FOR THE HISTORICAL INFLATION PROGRAM FOR U. S.

ARMY ROTARY WING AIRCRAFT

LABOR RATE DATA	(15) (16) (17) (18)		2.70 2.01	2.04 3.05 2.47 2.69 2.04 3.00 3.04 2.41 2.14 3.15 3.17 3.01	3.05	2.41 4.50 3.67 3.76 2.78 4.17 4.10 3.99 2.91 4.35 4.35 4.15 3.02 4.74 4.37	3.44 5.14 5.45 4.65 3.44 5.57 5.44 5.03 3.75 6.14 5.03 3.47 6.12 1.52 5.45	
		00.77	76.70	75.10 75.10	100.00	101.00	111.40	(14)
			101.	77.30	100.00	75.70 106.70	136.50 156.50 158.10 171.10	(13)
		70.50	74.0	0000000	100.00	116.20 136.10 139.70 140.40	140.20 173.50 219.00 241.50	(12)
		74. To	72.00	70.10	100.00	130.60	1641.70	\exists
		107.60	111.30	107.00	100.00 102.40	120.50	125.10 150.90 157.00	(10)
ATA		107.50	110.10	107.10	000	0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	124.00 125.00 125.40 153.50	(6)
E		107.00	100.10	107.00	100.00	100.70	134.40	(8)
			100.00	100,00	100.00	102.70		6
		37.70	27.00	2.5	100.00	116.10	154.00	(9)
8. 8. 8. 8.		07.50 4.10	47.00	67.00	102.00	117.10		(2)
pre '58 three	only.	2.43	4.7.7	c	100 00	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 3 4 1 5	(4)
7 3 4 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.500	125.70	1120.70	107.00	91.00	112.50	01.721 01.721 01.731	(3)
101111	7 4 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	96.70	04.70	0000 0000	100.00	109.50	135.30 167.60 189.30 205.00	6
575752 755757 747037	2000	103.30	99.20	0 0 0	100.00	105.30	136.20	Э
44 84 96 96 10 10 10 10 10 10 10 10 10 10 10 10 10	55 4 5 5 5	58 59	62	64 63	67 68	69 71 71	74 75 76	

ANNUAL CALENDAR YEAR

100

7

MATERIAL COST DATA

APPENDIX E

MONTHLY DATA FOR THE HISTORICAL INFLATION PROGRAM:

MONTHLY DATA FOR

MATERIALS

RATES:

LABOR

! .!	00000		000000000	7722222222222222222222222	7227
2 2 2 3		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
ENG 3760				4 A A A A A A A A A A A A A A A A A A A	
3761				4 4 M V X X X X X X X X X X X X X X X X X X	
15 ELECT 3674.9					**** ***
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13 2505XX 11.M1L		000000000000000000000000000000000000000		99444444444444444444444444444444444444	103.70 103.70 103.70
A STOCK STOC	1111	00000000000000000000000000000000000000		33 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0 0 0 1 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1
11 102500	24. 20 24. 20 100. 24.00 100. 25.00 100. 25.	200000000000000000000000000000000000000	0 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20000000000000000000000000000000000000	120.00
10 25.0117 Fx75.0					
650113 50.518	100.10	10000000			444
25-0101 >LUMN	100.10 100.10 100.10 100.10	100.10	10000000000000000000000000000000000000		0000
2201c1	100.00	1000	100 00 00 00 00 00 00 00 00 00 00 00 00		
220111 LEA:	100.00 100.00 100.00 100.00	000 000 000 000 000 000 000 000 000 00	4 4 6 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6	00111111111111111111111111111111111111	101
140133 FODGE	100.20 100.20 100.20	001.001.001.001.001.001.001.001.001.001		00000000000000000000000000000000000000	125.00
3011	100.00		400 a 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 4 4 M M M M M M M M M M M M M M M M M	
5 TV S	00.10	0.000	001.001.001.001.001.001.001.001.001.001	40000 44000000000000000000000000000000	138.10 138.10
130262	100.00 100.00 100.00 100.00	0.0000000000000000000000000000000000000	107 20 107 20 107 20 107 20 107 20 107 20	00000000000000000000000000000000000000	127.40
0.07x 0.07x 0.194£ 0	0000				100.40
0w/ x 3	TANGE TO SEE TO	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			71 JUL 71 AUG 71 SEP

MONTHLY DATA FOR

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15 trec1 3674.9	× × × ×																																					-			-	
14 11 /853 ELEC!	104.90	104.50	105.40	103.40	103.40	103.60	00.10	100.40	104.00	103.30	103.20	103.20	103.30	103.60	103.00	00.40	104.40	104.50	104.60	104.60	00.10	000	105.70	100.20	100.40	107.60	109.60	1111.30	114.10	113.40	0000	116.80	111.00	117.30	00.11	110.00	115.60	115.70	115.60	115.10	007	
13 25058X 11.91L	103.70	103.10	103.10	100.00	10/-10	101.10	04.701	01.01	01.01	07.101	107.40	101.40	101.40	0.00	01.701	0 - 10 -	100	100.00	108.20	00.601	111.10	01.11	114. /0	114.70	114.10	121.00	123.10	124.30	137.50	137.50	151.70	J	151.10	153.40	165.40	104.00	7	170.80	171.80	171.80	171.80	000111
16 250452 50852 5085L	01.01		1.0	7.0	7.0	1.0	. t		4 .	• •		4.0	1.0	7.0	3 0		1	x .	1.	5	0.			z.	D .			5	5.3	5	7	1.3	1.3	6		, ,	4.	0.0	4.5		04.619	
11 10ccuc CP/143	7.7	11/./0	119.70	121.00	124.40	300.45	24.20	175.30	20.00	125.30	125.10	124.10	125.40	126.60	100.00	20.10	06. [4]	146.10	141.60	140.00	143.50	00.00	100	165.40	155.40	178.30	200.000	203.10	194.10	200.00	181	172.10	143.40	150.10	100.00	10.00	148.00	141.40	143.00	144.00	147.10	21.00
10 25011/ Exted	100	-	-	-	-		-	-	-			-	_		163.0		125.6	160.0	120,0	-	125.6	70.00	-	130.2	134.0	134.1		150.	_	16.0	-	147.0	147				7	-	160.	171	- 2	-
25.5113 30.518	73.67																																					-	-			•
250101 ALUMA	24. x	100.40	105.60	105.60	105.10	104.10	105.10	104.10	01.01	104 10	103.70	103.70	103.70	103.70	103.70	103.70	104.40	104.40	104.40	104.40	105.60	100.70	100.40	117.90	117,80	117.30	167.10	132.30	144.30	141.00	151	151.00	1=1.00	151.00	00.15		141.00	151.00	151.00	141.20	77.	11.75
250141 WAGNES	200	100	103.6	101.4	103.4	103.4		7 . 6	103.4	103.5	103.4	103.6	103.6	106.4	104		100	104	104	106.	106.4	100	104.1	a. 4	114.0	123.7		153.0	140.0	619.7	200	2005	2005	228	225.1		224		224.1			
220111 LE m	04.101	161.10	101.10	103.60	110.70	110.70	112.40	01.011	112.10	110 20	116.70	104.00	104.00	10 m	110.70	11/1.	114.10	117.00	117.00	117.00	117.90	117.00	132 10	135.70	130.70	135.70	152.60	153.60	175,00	175.00	17.00	17. 00	170.00	175,00	1/11/00	17. 00	148.80	13- 70	130.70	130.70	000	
S Frank Frank	5 0	25	127.	50	23.1		0.	•				-1	32.	20	2	, r	a	38	30	30	38	. d	۵	27	142.	55	י ע ניע	17	67.	i	I I	, a	2	1 1	0	מוֹ	200	7	7	, n	נת	
4 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	27.40	124.00	127.00	127.00	127.49	127.80	3x - / /	127.00	177.40	30.00	35	130.00	130,00	130.001	27.00	1 40	132 30	132.30	132,30	133.00	133.00	33.0	132.00	142.60	143.50	143.50	141	150.30	14.3.40	179.70	20.00	1 K 2 . C E	182.00	2.5	105.00	9 00	γ α α α α α α α α α α α α α α α α α α α	14 a 4 to	201.10	201.10	201.10	
170.64	138.10	-		-						-			_						_	_			-	-				_	-		-	-	_		-		_	_	-	-		_
130262 Co. ST	127.60	-			-			-	-	-	-	-	-				-			-				-				_	_				-				-	_	_			_
1 6.18.18	109.30											-			,												-	-	-			-	-				-	-	_			
CW/AU	TON L	CIDEC	NALST	17564	DANC!	0000	70.	1	1000	1256	13001	へつろくし	LADEC	7 4 7 4 7	1	74000	Y 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	/ 3JUN	13,100	SOVE	1 300	13000	/ 3DEC	74.JAN	1456	2000	1 4 4 1	14 JUN	100 m	14406	14001	14100	140EC	15.4N	2 4 4	CAPP	/AMA/	/FJUN	18 JUL	JENIJO	18367	1

MONTHLY DATA FOR

:		91	9/	16	9/	0	9	11	-	-	11	11	11	11	11	11	11	11	11	11	11	11	
TES:	010ER 3723.7 FY	5.13													0.50								
RA	11 ENG 3722	,6.0	5.33	15.0	17.0	15.0	24.0	9.0	2000	9.00	11.0	5,6	99.0	5.83	10.0	90.0	10.0	50.0	. 4.	10.	50.	.15	
BOR	3761														5.76								
LAI	15 ELECT 30/4.7	3.88	19.5	3.88	7. Q.	7.	3.94	3.97	3.95	10.+	40.4	40.4	91.,	17.1	4.15	02.5	4.62	4.56	4.30	4.35	4.38	77.	
	250113 PS011/ 102502 250963 CEUSAX 11/04X ELEUT 50.51x EXTUD CPZ-RS NUMEL 11-M1L ELECT 3674.9	114.50	114.50	114.70	114.90	115.00	115.40	115.40	115.50	115.80	110.00	110.40	116.60	117.90	110.20	118.20	110.80	118.80	116.90	118.70	118.80	120.50	
	13 2505XX 11.M1L	171.00	171.60	171.80	171.80	171.80	171.80	171.00	171.80	171.80	171.00	171.60	171.00	171.80	171.00	171.00	171.00	169.60	169.80	169.80	170.10	168.90	
	12 250463 MUNEL	241.50	9.1.5	241.50	241.50	641.50	041.50	241.50	241.50	241.50	241.50	741.50	241.50	241.50	160.40 241.50 1	245.60	09.242	242.60	245.60	246.60	242.60	746.60	
	11 10250C 707:155	149.20	150.10	152.10	163.60	166.10	166.70	150.00	171.40	176.40	174.10	149.90	141.60	159.00	160.40	107.40	175.30	175.30	176.50	173.10	170.001	163.10	
	10 25011/ Extro	16.00	00.04	169.80	00 641	175.30	180.40	160.10	16. 301	197.50	177,50	197.50	177.50	197.50	197.50	104.701	DOF. 10	01.008	00.000	38.416	220.60	05.05	
S	9 250113 56.514	47.20	1.30	47.20	47.20	124.60	24.40	154.00	154.40	54. HD	.58.40	SH. 40	58.80	54. PC	58.AU	58. H	61.50	JH. BU	07. HO	67.20	04.7A	107.90	
RIAL	250101 01080101	157.20	158.80	163.50	163.50	15.9.30	175.40	115.90	110.90	190.30	180.30	190.30	190.30	190.30	190.30	190.30	196.00	140.40	203.70	150.40	190.00	190.60	
MATE	2201c1 250101 0	242.00	242.00	242.00	00.626	202.00	242.00	200,00	266,90	264.90	255,00	250,90	252.90	255,90	100.1.501	267.00	2,7.00	247.00	247.00	275.40	275.40	275.40	
	1 150153 220111 2 Fight LEin	135.70	13-,70	136.70	150.00	162.00	164.30	17. 40	174.90	174.00	163.00	162,00	103.00	180.30	207.10	221.00	221.40	221.10	221.41	221.40	721.40	221.40	
	120153 France	04. KP	150.60	210.80	210.20	210.20	618.60	217.50	520.60	320.60	220.50	324. FU	01.600	231.40	231.00	231.40	231. AC	04.155	231.80	234.20	634.60	240.10	
	1001	214.30	214.00	214.40	214.40	710.10	214.40	214.00	71 m. to	210.00	218.40	210.40	210.40	210.00	260.40	230.40	023.40	234.70	235.7u	235, 10	230.411	04.010	
	1100gs 51-15	142.60	162.60	142.40	162.60	1.2.60	122.40	142.40	172.40	176.30	176,30	176.30	176.30	105.00	144.40	104.401	146.60	200.10	203.50	205.40	205.00	602.10	
	1 2 3 2 1302 1302 150141	00.56	137.00	197.00	177.00	147.00	500°10	204.10	504.10	200.10	200.10	200.10	220.30	222.50	222.40	222.00	655.40	333.60	322.60	237.40	237.40	237.40	
	1 2 2 13 13 13 13 13 15 15 15 15 15 15 15 15 15 15 15 15 15	152.30	116.20	14.50	164.70	1=7.10	157.20	178.20	141.00	143.60	144.50	144.80	144.40	144.50	164.00	164.30	145.90	146.40	147.40	168.9r	149.10	140.40	
	CAZAO	74 14N 152.30 197.00 142.60 214.00 194.40 136.70 2	1456	2000	14400	1444	777	JUL.AL	14006	14SED	1004/	7074	140EC	77 JAN	7751	77440	77400	17400	17 IUN	77 JUL	174UG	11SE .	

APPENDIX F

HISTORICAL INFLATION INDICES :

MOUTTON	FNGINE PE	Penpurtto.	EXCLUDING	AIR VEHICLE AVIONICS
	INDEX	FACTOR	INDEX	TACTOR
	CY67=	F > 77=	CY67=	F Y 77=
,	100.0	1.0000	100.0	1.0000
ď	5.5	1,6802	1.64	4.0033
1	a • 1	7.2870	2.46	3.6631
1.6181	63.1	7.612.	6.66	3.51/8
7	44.4	3.0400	6.95	3.3369
7	73.3	2,7701	7.40	3.0277
^	74.9	2,7122	0.19	C. 9347
,	77.A	2,4094	0.40	6.8170
1	79.3	2.5401	11.6	6.7437
~	84.0	2.4173	13.6	0109.7
	2.06	2.2515	7.08	7.4447
1	95.5	2,1950	1.70	6916.7

HISTORICAL INFLATION CALENDAR YEAR INDICES

Albende	PSONUCTION	FNGINE	Penniet10.	AVIONICS	NOTI LINGOING	AUGHEGATE EACLUDING	AIR VEHICLE AVIONICS	AGGREGATE INCLUDING	ATH VEHICLE AVIONICS
INDEX	FACTOR	TADEX	F.C105	TABEX	FACTUR	INDEX	FACTOR	INDEA	FACTOR
CY67=	E Y 77=	CY57=	F 4 772	CY67=	FY77=	CY6/=	F Y 17=	CY6/=	£ 7773
100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0	1.0000
15.4	2.3610	0000	2,1566	81.5	1.9775	9.00	<.3107	2.10	2.2786
H3.3	2.3370	45.4	2,1923	83.2	1.9388	4.00	<.30<1	1.00	5.6666
84.3	2.2423	95.5	2,1260	P5.4	1.ROFC	9.10	£.2444	6.10	5.4096
0.45	2.26.39	4.50	2,1232	87.4	1.8440	1.80	6.55.3	66.1	5161.2
H7.1	2.2334	95.0	2,1143	- 42	1.8294	1.40	C.2050	0.68	2.1687
0.48	2.2107	94.46	2,1511	68	1.6116	84.5	K.1968	3.40	2.1584
201	2.1022	92.3	2,1000	01.1	1.7490	6.60	<.1862	0.06	2.1440
92.3	2. Ind1	42.7	2.1903	45.4	1.7410	75.4	¢.1264	75.4	2.0878
4.5	2,0175	95.5	2.1266	94.5	1.588/	500	4.0415	96.2	2.0065
100.0	1.9463	100.0	2,0308	100.0	1.6122	100.0	1.9651	100.0	1.9298
103.8	1.8750	104.6	1.96.15	104.1	1.5481	104.0	1.8899	104.0	1.8556
110.4	1.7633	111.1	1.8272	108.1	1.4911	110.4	1.7716	110.3	1.1495
116.9	1.6455	121.4	1,4472	113.2	1.4243	110.0	1.0059	117.5	1.0420
120.8	1.6106	127.4	1.5919	117.4	1.3728	166.3	1.6063	121.8	1.5838
124.9	1.56.97	130.7	1.5432	121.0	1.3327	169.3	1.5195	168.5	6105.1
137.7	1.4130	135.3	1.5015	125.4	1.2857	13/.2	1.4363	136.0	1.4188
154.0	1.25.40	157.2	1.2020	134.3	1.2002	154.7	1.2703	156.7	1+47-1
172.0	1,1316	178.1	1.1401	144.2	1.1031	1/3.4	4.1335	1/0.4	1.1309
184.6	1.0545	189.7	1.0709	152.4	1.0567	100.1	7950.1	186.4	1950-1

3 133222231412332222441

		AINFHAME	PENDUCTION	FNGINE	Pennticttou	AVTONICS	NOT100000	AGGREGATE EACLUDING	AIR VEHICLE AVIUNICS	AGGREGATE INCLUDING	AIR VEHICLE
		INDEX	\circ	INDEX	F ACT 02	INDEX	FACTUR	INDEX	FACTUR	INDEX	FACTOR
		CY67=	FY77=	CY67=	F > 77=	CY67=	FY77=	C167=	F Y 7 /=	CY67=	F 1 7 7 E
0				100.0	1.0000	100.0	1.0000	10001	1.0000	100.0	1.0000
			σ.	1.00	2.0422	100.5	1.6038	N. N.	1.9/85	1.66	9056
			•	100.0	2.0312	100.2	1.4090	100.3	6656.1	100.3	9426
			•	1001	2,0231	1001	1.6100	100.0	1.9534	9.001	2616-1
			•	102.1	1.488.	100.7	1.6016	101.4	1.938R	101.3	1.9052
			•	102.3	1.7857	100.0	1.5980	104.1	1.9546	105.0	1.6923
			•	103.2	1.3481	102.0	1.5803	106.9	1.9101	102.8	1.8774
			•	103.5	1.9425	102.5	1.5723	106.7	1.9133	102.7	1.0793
				103.9	1.9548	103.3	1.5603	106.4	1.9109	106.9	1.6757
			•	103.8	1.3566	103.2	1.5+18	106.9	5016.1	102.9	1.4755
				103.0	1.7727	102.7	1.5492	106.1	1.7238	102.2	1.8881
			1.9012	104.1	1.9914	103.4	1.5555	106.0	1.9125	100.0	1.6765
			•	104.4	1.9646	104.1	1.5446	103.1	1.9052	103.6	1.0492
				104.5	1.9440	104.1	1.5491	103.2	1.9050	103.2	16 + 61
				103.2	1.9300	104.7	1.5404	104.1	1.8869	7000	1.6521
				105.3	1. YZHG	105.0	1.5361	7.401	1.8137	5.501	1.6399
				105.4	1.7234	105.2	1,5316	100.4	1.84/5	106.3	1.8163
				104.8	1918	105.9	1.5229	100.1	1.8414	106.6	1.8098
				107.1	1,8950	104.2	1.518/	107.3	1.8316	107.2	9008
			•	100.1	1.679	104.1	1.5196	10/01	1.6262	107.5	1.1960
				100.2	1.8772	107.4	1.5014	108.8	1.8068	108.0	1.1766
				100.1	1.0784	107.2	1.5046	108.7	1.8074	108.6	1.7775
				100.4	1.8724	104.9	1.5070	108.1	1.8018	100.4	1.7729
				109.0	1.66.39	107.8	1.4955	109.2	1.747	10.501	1.1696
				110.3	1.8414	108.1	1.4915	10%.5	1.7937	109.4	. /638
			•	110.6	1. A36A	108.4	1.4879	109.6	1.7931	104.5	1. (629
			٠.	110.6	1.9127	108.7	1.4835	111.0	1.16%	110.8	1.7415
				110.0	1.8312	109.5	1.4730	110.5	1.7783	110.4	1.7480
			1.7331	114.5	1.7582	100.5	1.4741	113.	1.7388	114.6	1.1133
				114.4	1.7404	109.6	1.4700	114.1	1.1660	113.7	9/60.
				119.4	1.7008	110.4	1.6404	115.7	0669.1	115.1	19/9-1
			•	150.4	1.6472	111.0	1.456	710.5	6160-1	0.011	6000
			•	150.4	0,484.0	6.011	1.45.30	2.011	5160-1	1011	0000
			•	150.1	1,4871		1.6646	2011	0000	0.011	2000-
			•				00000		1000	14.5	9454
			•	121.1	1,710	113.5	1.4148	11/11	1,4/1	1	1.6527
			•	0	1 6672	114.1	1.4125	117.4	1.6743	117.0	1.0487
			•	122.2	1.4418	1.4.1	1.4097	118.5	1.6524	116.5	16291
				122.4	1.6490	114.4	1.4046	119.6	1.6466	2.611	96190
			•	122.9	1.6419	115.1	1.4006	119.8	1.6397	119.0	1.6167
			•	123.4	1.6429	115.8	1.3920	161.0	1.6236	150.5	1.6014
			•	124.9	1.4299	114.7	1.3815	141.3	1.6198	150.9	1.5967
			•	124.7	1.62An	117.3	1.3747	161.0	1.6645	150.0	1.6002
			•	125.1	1.4233	117.1	1.3763	160.8	1.6665	160.5	1.6021
			•	125.7	1.4150	117.4	1.3714	161.1	1.6667	150.1	1.5983
			•	1.25.1	1.4145	117.7	1.3704	141.3	1.6603	16	45050
404	7 17	5.151 17	1.60.61	124.4	1.404.	117.8	1.36.43	166.3	1.6062	161.9	.5835
			•	120.5	1.480.	118.2	1.3/30	166.4	1.6033	155.0	1.5817

1.5224	90/00	.5728	1,566	.5542	1.5595	1.5311	1.5185	1.5022	1005.1	9010	9000	1000	1744	1.4663	1.4507	458	1.4523	111	644	7664	1000	1000	101	1.3889	1.3824	1.3637	1.35.76	1996.1	332	1.3255	1.2869	274	622	1.55.1	203	-	-	-	1.1640	1.1503	101382	1.1316	1.1277	1021-1	1.1144	1.1089	1.1025	1.0944	1.0882	7180-1	1.0805	200	1.0684
122.0	1000	155.1	163.0	124.5	163.7	125.0	167.1	168.5	158.6	9.121		0.071	1	131.6	133.0	132.3	132.4	133.6	133.7	134.1	1 35) (137.4	130.6	139.6	141.5			•		0.051	151.4		156.9		161.7	7	165.7	165.0	7-101	4.54	170.5	1/1.1	172.3	173.2	1/4.0	175.0	2.97	177.3	1/8.5	100		180.0
605		375	1.5843	, ,	S	n	1.5369	1.5183	1.51/6	1.5674	02403	1.5100	1.5044	1.4009	1.4650	7	1.4665	1.4588	1.4587	0/55-	00111	10 40	1 4175	2104-1	1.3947	1.3751	1.3082	1.3562	1.3414	1.3348	1.2935	1.2822	•	1.6336	1.2063	•	1.1886	1.1684	1.1662	1.1601	1 1411	1.1347	1.1313	1.1663	1.1165	•	1.1034	1.0759	•	•	1.0755	•	
166.4	166.3	163.5	163.0	20.50	164.3	1,001	167.9	10%	169.5	168.5	10.00	1000	1 3000	136.7	1.401	133.4	ا ۴۰۰ ا	134.7	134.7	130.8	2001	1 200	4 4 4	2.041		2	143.0	7.77	140.5	147.2	6.151	153.3	155.7	157.3	200	7.40	165.3	7.091	160.2	107.	16.5	1/3.2	1.3.1	1/5.1	1/0.0	177.0	178.1	1/9.3	100	-	196.	: -	200
1.3460	1.3664	1.3645	1.3782	1.3422	1.3554	1.3523	1.3424	1.3464	1.3770	1.3207	1.00	3207	1.3206	1.3237	1.3168	1.3098	1.3129	1.3063	1.2092	1.2979	C 76 7 - 1	10201	75.75	1.2467	1.2406	1.2496	1.2509	1.2446	1.2346	1.2305	1.2186	1.2005	1.1905	1.1400	1.1718	1.1929	1.1358	1.1257	1.1196	1.1141	20111	1.0982	1.0897	1.0974	1.0023	1.0937	1.0921	1.0841	1.0773	1.0785	1.076	1000	1.0.20
114.0	118.	118.2	117.0	1 2	2.1	119.2	120.1	119.7		121.1		121.4		121		123.1	122.4	123.4		124.7		163.6		127.3	127.0				130.4	131.0		134.3	135.4	135.4		139.8	141.0	3.	,	144.5	2.071	1 1	147.0	144.9	147.6	147.4	147.5	148.7	149.4	149.9	7.64	144.1	151.7
1.5774	1.5757	2172	0177.	1 5576	1.5404	1.5505	1.5434	1.5414	CC16.1	C 10 10 10 10 10 10 10 10 10 10 10 10 10	1615.	25.6	2000	5445	1.5437	1.5510	1.5615	1512,1	1055.1	215	7105.		7,00	444	1 4721	2 44 15	1.4464	1 4264	1.4100	1.4046	1.3177	1.2954	1.2480	1.2224	2000	1.1993	182	S	u		-		1.146			_				760	1.092	500	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
128.7	158.5	12H.	~ · · · ·	130.4	130.1	131.0	131.5	131.7	132.5	1.24.1	7.001	1000	2001	104.7	131.4	130.9	130.9	132.4	132.7	134.2	2.5.	134.5		137.3	34.0	140.9	1,001	14.14	143.9	144.4	154.1	156.8	140.0	166.1		169.3	171.8	177.3	174.0	174.7	- XX	177.5	177.4	178.1	179.1	179.4	174.1	181.	185.0	185.3	24.0	2	184.9
	1.6066		7.000	1.5795	27 H 7 E	1.5495	1.5340	1.5115	FF 15.1	45134	a	1.5017	3007	1 45.75	1.4431	1.4510	1.4420	1.4307	I	T.	0 0	1000	4000	2446	1. 37.15	1.3565	1.3465	1.3340	1.3220	1.3154	1.286E	1.2707	1.2607	1.2370	1	1.1963	1.1905	-	1.1727		1.15	1.1260	1.1275	1.1170	-	-	1.0444	1.0494	- OHKB	1.0772	070	\$ 1	1.0437
_	-	-		_	-	-	-	-	_						_	-	_	-	-							-	_	_	-	_	_	_	-			-	_	_	_	167				_	_	_	_	-	_				183.0
1 72																																																					7 7
JUL 7	5		NOV 7																										MAR 7					AUG 7			DEC 7			2000			1111										72 75

1.0538	1150.1	1.0431	1.0329	1.0296	1.0232	1.0149	1.0112	1.0040	7/66.0	0.9882	0.7820	0.9785	0.9742	6.9693
163.1	193.6	185.0	186.0	187.4	180.0	190.1	190.8	196.2	193.5	195.3	196.5	197.2	1981	1.661
C\$C0.1	1.0510	10001	1.0322	1.0690	1.0638	1.0158	1.0115	1.0038	0.66.0	0.9876	0.4819	10.00	6.474.0	10/4.0
166.5	18/.0	180.5	1.001	191.0	1.11.1	193.5	154.3	1.041	1.761	199.0	200.1	5002	201.7	204.6
1.0547	1.0525	1.0478	1.0410	1.034/	1.0171	1.0056	1.0083	1.0065	1.0016	7706.0	0.9436	1879.0	0.9733	0.9400
152.4	153.2	153.9	154.9	ועני.	158.5	160.4	159.9	150.2	161.0	162.1	163.4	164.7	165.4	167.0
1.0714	1.0543	1.0466	1.04.32	1.0197	1.0323	1.0227	1.0162	1,0017	1,0018	1 4H41	n 77 313	146	C 4 4 C	0.9616
2.641	192.3	194.0	147	195.3	184.7	1.00	1.00-	202.7	7.505	204.4	204.0	210.1	210.2	21115
1.0443	1040	5150	OXY	1.0250	1.0212	ar 10.1	10101	1.0044	A240.0	9484	OH63	210	9756	19727
186.7	185.5	2	3	200	1.061	0.25	1.25.7	193.1	130.0	20.46	197.7	7.00	100	200
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
74	14	74	14	74	14	11	11	17	11	11	11	11	11	11
HUL.	SUL	0	TOO	NON	340	NAT	4	044	800	YOU	7	1111	01.0	0

		AIPFRAME	DOUDIE FIEN	FNGINE	Penning T104	AVIO. 105	AVIONICS PRODUCTION	E ALLUDING	VIONICS	INCLUDING	AVIONICS
		INFEX	FACTOD	TAMES	FACTOS	INDEX	FACTOR	INDEX	FACTUR	INDEX	FACTUR
		CY +7=	E Y 77=	-191	F > 77=	CY67=	FY77=	C16/=	F Y 7 7=	CY6/=	FY77=
a E	5	100.0	00000	100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0	1.0000
:	:							:		:	
-	47	1001	1.9444	0.00	1250.5	100.3	1.6076	1001	1.9639	1001	1.9282
,	47	102.0	1.9042	102.5	HONE.	101.2	1.5931	106.1	1.9244	102.0	1.8916
_	88	102.5	1.8942	103.7	1.0580	103.0	1.5648	10C.R	1.9116	106.4	1.8768
^	4.0	102.4	1.4016	103.R	1.9560	103.5	1.5571	106.7	1.9138	102.8	614.01
-	24	103.8	1.8751	105.0	1.9344	104.6	1.5410	10401	1.8684	104.1	1.0536
1	4	107.0	1. R. Y.	104.2	1.7127	105.8	1.5245	106.8	1.8402	100.7	680801
_	69	100	1.7450	10401	1.8787	106.9	1.5085	100.4	1.8134	108.2	1.7833
~	64	109.3	1.7810	109.2	1.8590	1.7.4	1.4983	10%.3	1.7984	1.601	1./688
•	69	110.3	1.7650	110.0	1.8334	100.	1.4214	110.4	1.7803	110.2	1.7508
t	64	113.6	1.7140	114.4	7584.1	109.7	1644.1	114.3	1.7198	113.6	1.6956
-	10	115.0	1.6025	120.5	1. KR54	111.1	1.4509	110.2	6069.1	115.7	1.6679
~	70	115.7	1.6879	121.1	1.4770	112.7	1154.1	116.4	1.6616	116.4	1.6573
•	7.0	117.6	1.0545	122.1	1.4427	114.4	1.4088	110.0	1.0504	118.2	1.6324
7	20	119.9	1.6240	123.8	1.6402	115.9	1.3913	1 < 0 - 7	1.6217	120.2	1.6049
_	11	110.1	1.6253	125.2	1.6221	117.3	1.3741	161.0	1.6646	120.6	1.6002
~	7.1	120.4	1.6134	124.9	1.6005	117.9	1.3474	162.0	1.6105	121.6	1.5870
-	11	121.1	1.6070	124.4	1.5769	118.0	1,3659	166.H	1.5999	122.3	1.5773
,	17	122.7	1.5468	129.7	1.5454	117.5	1.3719	154.5	1.5819	123.5	6195-1
_	77	125.0	1.5569	130.0	1.5516	110.4	1.350	166.3	1.5557	155.6	1.5362
^	77	128.7	1.5128	130.8	1.5524	120.5	1.3781	163.1	1.5217	128.3	1.5045
-	72	124.9	1.5095	128.7	1.5776	121.4	1.3253	168.9	1.5646	14.6	1.5051
,	72	137,1	1.4610	130.2	1.5590	122.3	1.3183	136.5	1.4833	131.5	1.4679
_	73	134.8	1.4444	131.5	1.5442	123.1	1.3001	134.0	1.4663	135.9	1.4518
^	13	134.0	1.4312	134.1	1.5140	154.3	1.2972	135.6	1.4495	134.4	• 4324
	13	134.0	1.4107	136.6	1.4072	125.9	1.2401	13/.1	1.4675	136.5	1.4139
t	7.3	1.5.1	1.3677	134.7	1.4632	128.1	1.2489	141.3	1.3903	1.00.0	1.3782
_	74	145.0	1.3341	141.0	1.4310	120.6	1.2440	140.0	1,3552	143.5	1.3452
	74	150.5	1.2932	4.121	1,727	132.5	1.2164	150.6	1.3031	149.0	1.2954
•	74	154.7	1.2419	164.4	1.2354	136.0	1.1951	158.4	1.2404	156.2	1.2356
1	74	142.5	1.1978	149.9	1.1952	139.A	1.1533	164.1	1.1972	161.7	1.1934
~	75	164.3	1.1705	176.7	1.1494	143.0	1.1205	100.0	1.1656	1991	1.1617
`	75	170.4	1.1420	177.6	1.1432	145.9	1.1041	176.0	1.1463	100.0	1.1391
-	75	174.0	1.1184	178.2	1.1394	147.5	1.0031	0.4/	1.1233	172.2	1021.1
,	75	177.4	1.0940	180.1	1.1279	147.9	1.0906	1/0.1	1.1032	175.1	1.1021
_	76	180.5	1.0741	185.4	1.0055	140.1	1.0776	141.0	1.0841	178.4	1.0817
^	74	182,3	1.00.74	184.7	1.0934	150.7	1.0497	163.1	1.0/34	179.8	1.0731
	74	184.0	1.0464	191.0	1.0580	153.2	1.0523	18/.3	06+0.1	183.9	1.0493
t	74	180.1	1.0251	195.4	1.0384	154.3	1.0315	1.161	1.0283	187.6	1.0286
-	11	192.8	1.0004	2000	1.0134	160.2	1.0067	194.5	1.0103	1.161	1.0100
~	11	194.7	20x00	6.502	ם אשה ה	162.3	1806.0	1.00.1	0.9888	1.561	2686.0
	11	190.2	1779.0	210.5	0.9646	166.1	0.9700	201.1	0.4743	1961	0.9740

HISTORICAL INFLATION

CLE														
AIR VEHICL AVIONICS	FACTUR	F 7 77=	1.0000	 1.8934	1.8031	1.6921	1.6059	1.5445	1.4647	1.3568	1.1813	1460.1	1.0493	1.0000
AGGREGATE INCLUDING	INDEX	CY67=	100.0	 101.9	107.0	114.0	120.2	124.9	131.8	142.2	163.4	176.4	183.9	193.0
AIR VEHICLE	FACTOR	F Y 17=	1.0000	 1.9262	1.8345	1.7173	1.6296	1.5643	1.4804	1.36/5	1.1053	1.0951	0.00	1.0000
ACCHEGA LE EACLUDING	INDEX	CY67=	100.0	 101.9	10/01	114.4	160.4	165.6	136.7	143.7	165.6	1,8,1	167.3	196.5
PAUDUCTION	FACTOR	F Y 77=	1.0000	 1.5805	1.5161	1.4575	1.3852	1.3564	1.3125	1.2494	1.140	1.0826	1.0523	1.0000
AVTOMICS	INDEX	CY67=	100.0	 102.0	104.2	110.4	116.4	118.0	122.4	129.0	141.4	140.0	153.2	141.2
Ponnuction	F.CT02	F v 77=	1.0000	 1 7813	1.8957	1.7317	1.6310	1.5614	1.5489	1.4275	1.1797	1,1130	1.0580	1.0000
FNGINE	TNUEX	CY67=	100.0	 102.5	107.1	117.3	124.5	130.0	131.1	142.3	172.1	182.3	191.0	203.1
PROUDETTON	FACTOR	F Y 77=	1.0000	 1.9120	1.8170	1.7130	1.6242	1.5451	1.44.1	1.3505	1.1869	1.0497	1.0464	1.0000
alorpane	INCEX	CYA7=	100.0	 101.7	107.1	113.6	119.5	124.4	133.2	144.1	164.0	174.6	184.0	194.6

7 1236-02388-

APPENDIX H

MONTHLY DATA FOR THE HISTORICAL INFLATION PROGRAM - - RAW MATERIAL PORTION ONLY

MONTHLY DATA FOR

						MAT	ERIA	0 87	NLY					***************************************	******	*****	*****	******	******
	-	^	-	1 1	5		1	20	•	0		14	13	1.		٥	/1	0	
1	Dispara Dispara	130242 CP STI	51.15	150141 CAST	150157 FORGE	220111	MAGNES	L C C	50.113	25011/ Extou	102505 CP/BHS	250443 MUNEL	1. MIL	LLECI	3674.3	3761	3/66 3	163.3	ž
47 JUL	2	0.00	. 3	000	3	100.00	001	100.10	01-001	01.00		200	00.001	00.66			0		ı
A ! AUG	00	100.0		100.001	7.	100.00	100.00	160.10	100.10	100.10	90.00	70.70	100.00	77.10	0.0		0.0		90
4 15EP	-	100.0	0	100.001	100.	100.00	100.00	100.10	100.10	100.10	04.40		100.00	05.66	0.0	0	0.0		9
1307	-	100.0	0	100.00	1000	100.00	100.001	100.10	100.10	01.001	00.001	11 7	00.001	01.	0.0				0
70074	200	100.00	c	100.00	5.101	100.00	100.00	100.10	1001	100.10	10,010	103.50	100.001	07.07	000	2 2	0.0		Q 0
NAL HA	2	103.4	C	102.00	101	100 00	100.00	100.10	100.10	100.10	115.10	21	100.00	99.70	0.0	-	0.0		20
KOFEH	20	103.4	C	103,10	101.4	100.00	100.00	100.10	100.10	100.10	119.50		100.00	19.40	0.0	2	0.0		0.0
21504	20	103.4	0	10. 00	161.4	100.001	100.00	100.10	100.10	100.10	120.00		100.00	01.66	0.0	3	0.0		r
LOADD AAAA	102.40		103.20	104.00	101	00.00	100.00	0001	100	100.10	100.00	105.40	07.70	0 1 . O A	000	> >	000	000	000
VO 104	03	103.4	. 0	105.40	101	20.00	100.00	103.30	101.60	101.50	106.10	105.40	07.66	01.65	0.0	د	0.0		96
TOPAY	5	103.4	C	105.00	101.4	42.00	100.00	104.20	101.60	104.50	00.60		02.66	00.66	0.0	0	0.0		
90000	. 70	103.4	2	104.00	101.4	00°00	100.00	104.20	101.60	104.50	04.80		02.66	17.00	0.0	>	0.0		
AHSED	70	107.2	6	100.00	101.4	010	100.00	104.20	86.20	100.00	07.80	105.40	07.66	00.56	0.0	5 :	0:		
1000	•	20101	C 6	00.00	101	000	100.00	104.00	07.00	104.50	07.60		00.66	000	0.0	2			, ,
AGDEC	, ,	107.7	0	100 001	1 4 6	00.0	100.00	104.20	86.20	104.50	102.00		93.60	01.65	0.0		0.0		
NALPA	60	107.2	0	100.50	105.6	96.0	100.00	104.20	08.90	104.50	109.30		02.66	78.40	0.0	٥.	0.0		
4 YFER	30	107.2	0	100.001	105.5	100.001	100,001	100.30	90°00	100.70	103.401	10	03.66	100.20	0.0	2.	0.0		40
CANES	. 70	107.2	5	110.00	100.6	100.001	100.00	108.30	70.0	109.40	110.40	10	02.66	100.40	0.0		0.0		
AYAPR	10	107.2	0	110.00	105	103.0	100.00	110.50	00.50	110.00	113.00		07.56	00.001	0.0	2	0:00		
7		107.01			107.	107.501	100.00	05.011		117.00	0 4	0 11	03.60	00.00					, ,
100	• u	107.01			200	110 70	100.00	110.50	0.00	112.3	0 0 0	C 16	07.46	00.001	0.0	2 3			0,0
AYAUG	7	1.0.7	-	115.30	100	110.70	100.00	110.50	1.00	112.00	123.50		02.66	100.001	0.0	0	0.0		0,
43560	50	112.4	-	116.30	10%	110.70	100.00	110.50	93.60	112,30	121.00		95.50	101.20	0.0	3.	0.0		0,
10047	. 40	112.7	2	116.30	10%	110.70	100.00	110.50	73.4	110.10	151.00	16	95.50	101.40	0.0	٥.	0.0		0,
1014	2	112.4	2	114.30	110	110.70	100.001	110.50	43.40	114.60	12/ 000	16 1	95.50	101.10	0.0	٥:	0.0		0 0
JACKY ZO IAN		112.7	מ ה	114.30	113	114.30	100.00	110.50	73.40	117.00	131.00	P 7	00.00	01.101	0 0	> 3	0.0	0.0	2 3
OFEB	. 20	113.1	-	117.90	1 1	117.90	100 00	110.50	43.40	117.00	135.00		25.50	100.20	200		0.0		2
TOMAR	17	113.1	-	117.90	u.	117.90	100.001	110.40	93.40	117.00	136.00	-	95.50	100.20	0.0	0.	0.0		0.4
/ OAPD	10	113.1	3	117.90	115.	117.90	100.00	110.60	73.40	119.00	134.10	T	94.50	100.001	0.0	0.	0.0		2
YAND	2.	113.	~ 7	5.1	1.5	117.90	100.00	110.60	43.65	121.50	136.70	30.40	94.00	20.	0.0	> :	0.0		2 2
70.101	- a	110.4	-	120 40		00.01	100,00	110.40	93.40	121.70	133.60		95.50	101.20	000				
TOAUG	00	119.4	~	120.40	118.4	107.10	100.001	110.60	93.50	121.70	136.40	7	95.50	101.00	0.0	0.	0.0		1.1
JUSED!	6	119.4	3	160.40	110.	105.401	100.001	110.40	¥3.E6	121.90	124.00	-	95.50	101.50	0.0		0.0		1.1
10007	000	119.4	2	121.40	13.	05.201	100.00	110.40	25.57	121.30	163.90		95.50	101.50	0:	2:	0.0		7.
1000	. 3	7.0		161.60	100	102.40	100.00	110.50	73.6	20.101	20.50	20.00	00.00	200	0 0				1.
NAL IN		110.0		133 60		04.40	103.00	0 0	63.66	121.50	115.60	5		105.30	000	2 2	0.0		11
11569	2	7 0	ě	122.40	0.	7, 00	103.60	108.60	93.40	121.50	113.60	136.00		103.30	0.0		0.0		
MAPIL	00	110.4	3	122.4	1.01.		103.40	104.60	93.40	121,50	116.50		101.70	103.70	0.0	2.	0.0		1,
APP	108.80	119.4	-	125.00	117.0		103.60	108.60	93.40	121.50	120.50	140.40		103.10	0.0	5	0.0		1
200	200	9.0		20.00		2	103.40	108.40	73.40	00.171	20.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	103.70	103.00	0.0				
1130	109.40	127.4	=	20.00	24.0	: -	103.40	108.40	43.40	121.50	120.10	0	103.70	103.10	0.0	0	0.0		, ,
NIAUG	109.80	127.4	7	124.80	124.0	-	103.60	108.40	43.40	141.50	120.00		103.70	103.20	0.0	0	0.0		, ,
/1SEP	109.40	127.4	10	124.00	126.0		0	104.401	73.40	151.50			103.70	o.	0.0	2	0.0	0.0	,

MONTHLY DATA FOR

	X200	130262 1	30 %	3 6	201021	40	7	r i	7 1	0 1	11	7	2	,	5	٥.	` .	0	
0 0 M/A	o Hadira	(F. ST	51:15		Frage		SHIP	ALUMN ALUMN	SC. STA	FxTbU	0 X 1 / Q J	MONEL	11.MIL	ELECT	3074.4	3761	3762	3/63.9	
		127.40	136	26.00	i,	100	1001	1	;	1					•				
		127.40	136,10	124.00	25.0	101	100 80	2 2		120 40			0.00	100					2
110EC 1	109.30	127.40	137.10	124.0	29.	101.10	100 20	100.40	43.00	140.40	11/2/2	140.40	103. (0	102.50	0.0	0.0			2
		124.10	137,10	1127.611	127.4	101.10	103.40	100	43	161.60		7.0	103.10	107					2
		134.50	137,10	127.10	0.40	103.40	103.60	100	73.	161.60		7.0	100.00	103		,			2
		134.50	1 m	127.6	2001	110.70	103.60	105	5	121.00		7.0	107.10	103		-			15
		134.00	, x	10. VO		110.70	103.60	0 1	5	163.10			01.01	103		-			7
		130	130	10.10		112.01	103.60	10		163.0		7.0	04.701	104		_			10
			00.00	20. 70.	0.10		103.40	400	, ,	163.80		1.	05.701	103					2
		1 40.50	117 -0	30 00			103.60	501	,,,	163.00			0.00	101		_			5
		134.50	117 50	1 30 00			103	1 0	200	163.00		•	04.701	501		-			5
		34.50	117 -0	1 40 00		110 70	02.00		, ,	103		•	01.701	501		-			2
		134.50	117.00	1 40 50		10	103.60	201	2	123 40			0.00	2 -					2
		134.50	117.50	130.00	32.0	104.00	103 601	107		20.00				9 0					5
		134.50	0- 111	130 001	32		104		5	× 50.			01.	2 -					?
		134.50	117 50	130 00	32.0	110 70	04.40	0 0	,	20.00			200	201					2
		134.50	17.50	30.05	34	30	104	70	3	23.00		•	01.01	2 -					2
		134.50	117.50	132.30	38	110 30	104	104	7				01.	2					2:
		134.50	123.60	132.311	38	116 10	108	107	, ,	125 20			0 3 40	1					2
		134.50	124.00	135.30	38	117.00	106.40	104	5	120.00			07.00	100					2 .
		134.50	174.10	132.30	33	117.00	100	104	7	12- 20			2	1					2 .
		134.50	124.00	133.00	136.20	117.00	104.40	104		16- 60			0	101					1 1
		134.50	124.00	143.00	30	117.00	106.40	105	43	125.00		200	111.10	101					
		137.50	150.00	00.551	138.20	117.00	106.401	106	43.	125,90		. 0	111.10	104		_			1
		137.50	24.10	00.551	ı,	117.00	106.40	107	93.	126.90		9.6	112.30	101		_			1
		137.50	24.40	33.00	000	132.10	104.40	100	7.	124,90		. 0	114.70	105					1
		137 50				130.10	114. HO	11	102.	130,20			114.70	100		_			11
		00.00	30.00	20.07	05.00	37.10	14.00		707	134,00			- 1	100					1
		0 4 7 7 7				135.70	17. 75			134.10			121.80	2					1
		CC. RO			14.50	163.	15.00	101		144.30		• •	00.121	000					+
		165.40	69.69	50.	0	153	00.	3		0 1 1	00.000	75.37	15.10						
		105.501	1 00 53	62 40	47	17- 00	000	777	32	00.00		1	37.50						1
		100.00	73,10	79.71	D	17- 00	219 /0	-	100	000			00.75						0
		18a.50 1	74.30	- C X	7	175.00	COH YOU	5	140	000	1 1 20		0000						0
TUC		104.40	74.90	82.00	63	17- 00	200 x 0	U	747	153 00	2	7	07-101	1					0 4
		ומא. אט	75.40	182.50	20	175.00	COM 40	2	144	142.00	177.10	61.3	10/10/	-					0 1
		1 20.00	78.00 1	02.CH	62.	170.00	208.40	141		142.00	153.50	5.15	IJ	/ 1					1
		104.10	18.00 1	N2.40	Y.	17- 00	224.10	u	144.	162.10	01.65		4	-					0 1
		189.10	67. KD	BG. (10)	182.40	170.00	228.10	151		162.10	156.00	19.6	9	-					, ,
		HO.10	1 05.00	07.00	20	175.00	229.10	15.	144.	165.20	148.80	5	162.40	19					1
		109.10	44.30	74.40	165,40	170,00	228.10	1 2 1		165.00	150.90	0	164.60	110.30					1
		00.20	1 05.64	74.40	195.40	145.80	224.10	U	144.	165.00	00.421	19.6		115.60					2
		00.20	67.60	מים ליו	195.40	136.70	228.10	121	144.	165.50	06.101	5	170.80	115.70					2
		00.00	100.61	01.10	74	135.70	01.800	ū	144.	145.50	143.00	19.6	171.80	115.60					9
- '		00.00	42.40		v.	13e . 7n	224.10	127	141	171.00	145.60	. 6	171.60	115.10					0
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 00.00	20.00	201.10		147.00	224.10	7		171.00	01.10		171.80	114.50					٥
			67.40		5	142.00	228.10	r3.	141	01.071		19.60	171.80	113.90					9
	500	00.	SK. 30 2			45.00	חור אכר	*	1 1										
		200					21.	,		0,001		14.60	171.00	114.30					٥

MONTHLY DATA FOR

,	10 11/11/17	11 01 4 11 01 4 11 01 4 11 01 4 11 01 1 1 1	r -	1	5		10 50		*
	1 /11/17/	וולשטב בפניהה	A Section .		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	ACF LE	NO OI	1	
111 2201E1 250101 650111	1 1 1 2	17 17 17	3 65054	101	יייייייייייייייייייייייייייייייייייייי			2	
	0011	Taring Santa	71	2	2014.4	3/61 3	166 31	23.7	- !
7.20 147.20	10.04	77.60	171.80	114.50	0.0				
8.80 141.20	169.00 1	20.10	171.80	114.40	0.0				-
3.50 147.20	160,60 1	01.20	171.80	114.70	0.0				_
3.50 147.20	169.641	03.64	171.80	06.411	0.0				-
04.261 05.P	17-311	01.44	171.80	115.00	0.0				-
9.90 154.FD	100.40 1	01.00	171.80	115.40	0.0				
2.90 154.60	100.70 1	00.04	171.80	115.40	0.0				
5.90 154.AU	104.701	71.40	171.80	115.50	0.0				
0.30 158.40	197,50 1	10.40	171.60	115.80	0.0				
0.30 LSH.R.	197,50 1	14.10	09.1/1	116.20	0.0				
0.36 158.AU	197.50 1	04.65	171.80	110.40	0.0				
0.30 158.HD	197.50 1	00.14	171.80	110.00	0.0				
0.30 ISB.AD	197.50 1	00.65	171.80	111.90	0.0				
0.30 158.HU	197,50 1	04.00	09.1/1	118.20	0.0				
0.30 158. AU	197.50 1	7.40	171.80	118.20	0.0				
6.00 lbl.co.	204.10 1	15.30	171.80	118.80	0.0				
9.40 154.PD	200.10 1	74.30	09.691	118.80	0.0				
3.70 167.40	200,30 1	14.71	08.601	118.90	0.0				
0.40 167.40	214.30 1	73,10	08.691	110.10	0.0				
0.46 167.nu	220.001	10.00	170.10	118.80	0.0				
0.40 167.HU	220.00	3.10	100.00	120.50	0.0				
	2	30 158 x 0 147 5 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7. 10	7. 10	7. 10	7. 10	7. 10	190.30 158.40 197.50 164.50 711.50 110.40 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

APPENDIX G

Annual Data for The Historical Inflation Program - - Raw Material Portion Only

											1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
												0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
											-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	
												0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
												つか・ハハ	77.00	78.20	78.20	26.70	75.10	12.10	95.10	21.10	100.001	77.50	100.10	00.101	105.40	103.40	104.401	111.40	115.50	115.40	(14)
												149.30	162.40	117.30	108.10	101.00	11.30	16.30	18.10	100.001	100.00	44.30	10.00	15.50	108.00	_	109.50	132.50	168.40	1(1.80	(13)
YEAR				,	_							10.50	10.50	7.74) t . N D	91.00	91.00	00.00	00.05	07 6			-	136.10	134.70	140.40	140.60			241.50	(12)
NDAR	A				SUIL							74.10	80.60	81.70	15.00	73.90	73.40	10.50	ab. 10	00.65	100.00	107.30	117.20	130.50	110.00	124.30	141.70	186.10	149.90	163.90	(11)
CALEI	DAT				KIAL							107.50	100.001	110.80	1111.30	108.70	06.5	101.40	04.00	48.E0				120.60	121.40			150.90	167.00	182.70	(10)
NUAL					ALF																	45.10	91.00	93.00	93.40	93.50	93.40	124.00		153.00	(6)
ANN												107.60	100.401	110.40	111.30	100.70	102.90	101.40	00.40	70.50	100.001	102.40	109.70	110.60	106.70	104.80	105.20	136.40	152.60	175.10	8
												100.00	100.001			100,001	100,001	100,00	100.00	100.001	100.001	100.001	100.001	100.00	102.70	103.501	104.40	173,20	220,10	244.00	6
												86.70	02.10	85.20	71.40	58.70	19.60	31.00				01.10	106.20				117.00				(9)
												03.60	45.40	96.40	00.16	97.00	97.00	97.10	04.10	97.30	100.00							141.00			(2)
												0.3	3	20	5	0.7	7	1	00.00	5	100.00	104.70	113.40	119.50	125.30	120.00	132.20	163.90	156. RO	214.30	(†)
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	125.70	121.00	120.20	118.60	115.40	107.00	74.40	91.40	71.60					135.00				C		(3)
2	54.0	3.00	0.54	Fr. 3	73.8	73.9	74.3	74.9	82.1	2.08	91.0	93.10	04.70	04.70	01.76	04.70	94.30	96.00	98.00	98.80	100.00								140.30	205.00	(2)
7	70.5	72.p	70.5	85.0	105.4	5.56	1.68	4.06	102.4	103.R	103.4	103.30	102.30	103.10	17.20	96.30	44.Bn	15.50	95.90	47.80	00.001	103.40	105.30	106.30	109.10			136.20		157.20	\ominus
	47	48	49	20	51	52	53	54	55	99	57	58	59	09	19	62	63	64	65	99	19	89	69	20	71	72	73	74	75	91	

APPENDIX I

HISTORICAL INFLATION INDICES

RAW MATERIAL PORTION ONLY.

A1109	ICES
INFL	1201
DATICAL	-1928
201211	4
1	

DAW MATERIAL PORTION ONLY

				1 40 34004	
S. P. D. G. S.	IPFPAME BUNDUCTION	FMGINE P	PROPRIETTON	EACL UDING	G AVIONICS
ne x	FACTOR	TNDEX	F.CT03	INDEX	FACTOR
17=	F v 7 7=	CY67=	F > 77=	CY0/=	=111
100.0	1.0000	100.0	1.0000	100.0	1.0000
7.0	2,6351	36.2	3.0104	611.3	6.7771
2.0	2,3337	2.14	2,6457	7.47	2764.2
0.3	2,3224	41.5	2,6251	2.42	6.43/0
4.0	5.1A02	43.7	2,4020	1.63	6.6385
3.1	1.9412	48.7	2,2345	2007	4.0530
1.00	1.9565	C. 13	2,2365	4.62	4.0004
7.6	5116.1	5.05	2,1671	2.67	4.0084
3.6	1.8453	50.7	2.1502	1.62	1266.1
74.4	1.7665	54.1	2,0135	31.4	1.8000
7.4	1.6157	a . 15	1.8537	4.40	1.7183
2.0	1 6050	0.04	1 8172	0.66	1.0003

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MISTOPICAL INFLATION CALENDAM YEAR INDICES

RAW MATERIAL PURTION ONLY

d swading	PUNDUCTION	30. I 9N3	Pennant 1000	AVTONICS	PJODUCTION	E ALLODING	AVIONICS	INCLUDING	aviorics
	FACTOR	* POINT	6,6702	1 N.0 F. X	FACTOR	INDEX	FACTOR	INDEX	+ + 5704
	E × 77=	11/44	5 < 77=	CY67=	F Y 77=	C10/=	- Y 17=	LY67=	+ 117=
	1.0000	100.0	0000	100.00	1.0000	100.0	1.0000	100.0	1.0000
	0414	4	1 8243	31.5	1.1420	24.4	1.6971	34.5	1.6502
	1. 7254.	5.44	2456	31.3	1.1875	36.4	1.8131	36.5	1.1527
	1.7110	0.12	0 30 1	30.0	1.2033	33.€	1.7759	33.0	1.7231
	1.7546	57.0	1.4122	30.0	1.2033	36.4	1.0223	37.3	1.1429
	ו אטפה	a. r	1.9422	30.5	1.2220	31.5	1.8/55	31.4	1.6121
	1.8047	53.	2.0672	10.1	1.2340	30.05	1.9543	30.5	1.6826
	1.90 23	a . 0 3	2 1493	30.0	1.2420	2.62	C. U110	5.67	1.7368
	ו הכתו	c. 7.3	2,2285	30.0	1.5426	69.63	5410.2	67.3	1.7402
	1.6404	1.00	2,1444	30.4	1.2045	C. 4.2	1966.1	64.7	04160
	מענה	1.75	2,0435	31.5	1.1417	30.5	1.4376	30.0	9658.
	2101	54.3	2.0056	31.5	1.1914	1.16	1,48.1	31.1	1.6266
	1.7570	1	2,2,2	31.7	1.1735	34.1	1.8073	32.5	1.7456
	1.70K1	5.5	0141	۲. او	1.1700	2.45	1.0916	34.5	.6434
	1.7160	11.7	1,6104	32.3	1.1540	33.4	1.5588	35.1	1.6215
	1.0460	0.54	1 6433	32.4	1.1420	5.50	1.0/64	35.0	1.6232
27.3	1.6430	64.0	1 5444	32.9	1.1319	35.4	1.0445	35.6	1,5971
	1.3160	0.24	1.3150	14.1	1.0001	40.0	1.3132	0.11	1.4431
	1.1444	45.7	1.1342	34.4	1.0231	51.7	1.1.45	2005	1.1338
	1.0413	1000	5500 1	34.4	1.0240	2005	1.0102	53.3	1.00-1

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HISTORICAL INFLATION MONTHLY INDICES

RAW MATERIAL PORTION ONLY

C			DINGHAMIN						2007		200	
THE TABLE TO THE TOTAL T			INDEX	FACTOR	TMUEX	F + CT 05	INDEx	FACTOR	INDEX	FACTUR	INDEX	FACTOR
			- LAY 7	F v 77=	-L447	F v 77=	CY67=	F Y 77=	C10/=	1111	CY6/=	F 7 7 7 3
	5	4	100.0	1.0000	100.0	1.0000	1000	1.0000	100.0	1.0000	100.0	00000
	:	;		i	:		::;				:	
		a	24.0	x.	75.4	2,0792	31.4	1.1840	5000	1.54/3	30.4	1.8589
		4	24.1	ı.	55.4	7.079n	31.4	1.1852	7.05	1.9457	30.5	1.0673
		ac	24.1	ו פראב	4.25	2.078c	31.3	1.1876	30.4	1.4464	30.5	1.8652
6. 6. 8. 2 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		25	24.2	1.8523	53.7	2.0702	31.3	1.1848	20.7	1.9213	30.0	1.8468
## 24.5 24.5 1.20.5 2.0.1 2.0.1 2.0.1 2.0.1 2.0.1 1.00.5		4	24.3	1.8460	54.1	2,0139	31.2	1.1924	6.05	1.9113	30.9	1.8387
## 64 24.5 1.4722 2.0012.0 31.5 1.1856 31.1 1.1856 31.1 1.1856 31.1 1.1856 31.1 1.1856 31.1 1.1856 31.1 1.1856 31.2 1.1856 31.2 1.1856 31.2 1.1856 31.2 1.1856 31.2 1.1856 31.2 1.1856 31.2 1.1856 31.2 1.1856 31.2 1.1856 31.2 1.1856 31.2 1.1856 31.2 1.1856 31.2 1.1856 31.2 1.1856 31.2 1.1856 31.2 1.1856 31.2 1.1856 31.2		a	24.3	1.8417	74.1	2,0134	31.4	1.1428	5.05	5606.1	31.0	1.6357
## ## 24.6 19956.		20	54.5	1.4322	54.1	2,0124	31.4	1.1456	1.16	1.9022	31.1	1.6298
## 68 24.5 1452.1 54.5 50.013 31.2 11924 31.2 16942		a	24.4	1. H254	24.5	2,0013	31.3	1.1888	31.6	1.8737	31.6	1.6229
## ## 24.5 1.4556 54.4 2 0.013 11.18 1.18		68	34.45	1.8247	S. 1.	2,0013	31.2	1.1924	31.5	1.8969	31.2	1.6229
## 6# 26.3 1924 55.4 1924 1110 1110 1924 1110 1924 1110 111		68	24.5	1. H250	74.4	2,0035	31.3	1.1988	31.2	1.8947	31.2	1.8238
## ## ## ## ## ## ## ## ## ## ## ## ##		20	24.3	1.8437	nt.t	2,0049	31.3	1.1876	0.15	1.9065	31.0	1.8339
66 69 24.7 1.1930 31.3 1.1899 31.3 1.1899 31.3 1.1899 31.3 1.1899 31.3 1.1899 31.3 1.1899 31.3 1.1899 31.3 1.1899 31.3 1.1899 31.3 1.1899 31.3 1.1899 31.3 1.1899 31.3 1.1999 31.3<		68	5002	1.8287	74.4	0,000,5	31.2	1.1924	1.16	1.8967	31.2	1.8262
66 66<		04	54.6	1.4142	24.4	2,0035	31.2	1,1936	51.3	1.8899	31.3	1.8204
68 69 24.4 1111 114995 114995 1		64	24.7	ואואיו	74.4	1.9049	31.2	1.1936	31.3	1.8666	31.3	1.8176
6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		69	24.4	1.8333	54.4	2,0037	31.2	1.1936	1.15	1.8995	31.1	1.8281
6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		09	54.5	1. H325	7.75	2.003	31.2	1.1936	1.16	1.8790	1.15	1.6283
6		64	24.5	1.8301	54.1	2,0135	31.2	1.1924	1.16	1.9011	31.1	1.6299
69 69 22.0 1.8482		64	54.5	1.8241	54.1	2,0131	31.2	1.1924	1.15	1.8996	31.1	1.6287
69 69 25.2 17828		69	24.0	1.8182	45.7	1.94.71	31.2	1.1948	31.5	1.8727	31.5	1.8057
69 85.2 1.775.2 55.0 1.956.4 31.7 1.1770 35.0 1.4445 35.2 5.0 69 85.2 1.775.2 55.0 1.966.4 31.7 1.1740 36.0 1.4445 35.2 5.0 69 85.2 1.752 55.0 1.966.4 31.7 1.1740 36.0 1.6443 35.2 5.0 1.752 1.966.4 31.7 1.1740 36.0 1.6193 35.2 5.0 1.752 55.0 1.966.4 31.7 1.1740 36.0 1.6193 35.2 5.0 1.752 55.0 1.966.4 31.7 1.1740 36.0 1.6193 35.2 5.0 1.752 55.0 1.966.4 31.7 1.1740 36.0 1.6193 35.2 5.0 1.752 55.0 1.1740 36.0 1.17		64	25.1	1.7828	44.7	1,0540	31.6	1.1793	91.6	1.8495	31.9	1.1832
69 69 25.6 1 76.39 56.0 1 90.64 33.7 111740 32.6 1 80283 32.6 5.6 69 69 25.5 1 76.39 56.0 1 90.64 33.7 111740 32.6 1 80283 32.6 1 80283 5.6 69 69 25.5 1 76.4 1 77.2 1 90.64 33.7 111740 32.6 1 18019 32.5 1 18019 32		69	24.2	1.7752	A. 22	1.9544	31.4	1.1770	34.0	1.8445	36.0	1 - 1785
69 69 69 69 69 69 69 69 69 69 69 69 69 6		64	55.4	1.7630	54.0	1.9467	31.7	1.1746	36.6	1.8343	36.5	5693
69 69 69 69 69 69 69 69 69 69 69 69 69 6		64	5.50	1.1557	26.1	1.9440	31.7	1.1746	36.3	1.0203	36.6	0 0
69 70 255.4 1752.6 57.7 1905.6 31.7 11.70 35.9 1.659 35.5 1.659 6 70 255.4 1752.6 57.7 1905.6 31.7 11.77 35.9 11.759 35.9 11.759 35.9 11.777 35.9 11.759 35.9 11.777 35.9 11.759 35.9 11.759 35.5 11.759 35.9 11.7		5	54.K	1. 1541	2.12	2000	31.7	1.1740	20.00	5510.1	0.00	210
69 70 25.8		0 2	4.50	1.149		1.7074	31.7	1.1.10	26.0	6010-1	6.36	00,1
69 76 <td< td=""><td></td><td>07</td><td>2.50</td><td>1.7400</td><td></td><td>2107</td><td>31.0</td><td>1.1740</td><td>3.75</td><td>0.50</td><td>30.00</td><td>1.7519</td></td<>		07	2.50	1.7400		2107	31.0	1.1740	3.75	0.50	30.00	1.7519
69 70 25.1 1.759 33.5 1.759 34.5 <t< td=""><td></td><td>0 6</td><td>200.00</td><td>1.524</td><td></td><td></td><td>21.0</td><td>1.17</td><td>4.5.</td><td>1.7548</td><td>33.6</td><td>6202</td></t<>		0 6	200.00	1.524			21.0	1.17	4.5.	1.7548	33.6	6202
70 70 26.2 1.7134 65.1 1.6734 31.4 1.1654 34.5 1.7145 34.5 7.0 26.2 1.7134 65.1 1.6734 31.4 1.1654 34.5 1.6795 34.5 1.7134 65.1 1.6734 31.4 1.1794 34.6 1.6999 34.6 1.6999 34.5 7.0 26.3 1.702 65.2 1.6724 31.4 1.1674 35.0 1.6999 34.0 1.		10	200	7350	20.13	1 786	22.0	1.1419	33.4	1.7569	33.5	66000
70 70 26.2 7134 65.1 6735 31.4 11654 34.6 16998 34.5 31.5 70.7 26.2 70.8 65.1 6737 31.4 11793 34.6 11793 34.6 11794 34.6 34.5		10	24.1	7103	4	2000		1.1654	34.5	1.7145	34.6	6633
70 70 26.2 77135 65.1 74734 31.4 1.1793 34.6 1.0989 34.5 34.5 7704 26.3 7704 26.3 7704 26.3 7704 26.3 7704 26.3 7707		20	24.2	7134	45.1	1. 6735	31.4	1.1654	7.45	1.6568	34.5	1.06477
70 70 26.2 17104 45.1 1.4737 31.4 1.1793 34.6 1.0989 34.5 7.104 45.1 1.4747 31.7 1.1745 34.5 1.0995 34.5 7.00 26.3 1.7024 45.1 1.4724 31.4 1.1745 31.4 1.1745 31.4 1.1745 31.4 1.1745 31.4 1.1745 31.4 1.1745 31.4 1.1745 31.4 1.1777 31.4 1.1704		10	24.2	1.7135	45.1	1,6735	31.4	1.1793	24.4	1.6969	34.5	6495
70 70 26.2 17104		10	64.1	1.716	45.1	1,6737	31.4	1.1793	34.4	1.0989	34.5	1.6513
70 70 26.3 1.7023 65.2 1.4724 31.4 1.18440 JJ.0 1.6893 J4.5 1.7021 65.2 1.4724 31.4 1.1677 JJ.0 1.6893 J4.5 1.7021 65.2 1.4724 31.4 1.1677 JJ.0 1.6899 J4.5 1.7021 65.2 1.4724 JJ.0 1.6899 J4.5 1.7021 65.2 1.4724 JJ.0 1.6899 J4.5 1.7022 65.2 1.4724 J4.5 1.1642 J4.9 1.6996 J4.5 1.7034 65.4 1.4654 J4.5 1.1642 J4.9 1.6996 J4.5 1.7034 65.4 1.6654 J4.5 1.1642 J4.9 1.6998 J4.5 1.7034 65.4 1.6654 J4.5 1.1696 JJ.0 1.6863 J4.7 1.7034 65.4 1.6542 J5.0 1.6863 J4.7 1.7034 65.4 1.6542 J5.0 1.6863 J4.7 1.7034 65.4 1.6544 J5.5 1.1639 J4.9 1.6991 J4.9 1.7034 65.9 1.6939 J4.9 1.7034 J4.9 1.6931 J4.9 1.7034 65.9 1.6931 J4.9 1.7034 65.9 1.7034 J5.7 1.7034 J4.9 J4.9 J4.9 J4.9 J4.9 J4.9 J4.9 J4.		10	24.2	1.7104	15.1	1.4747	31.7	1.1746	34.8	1.6956	34.5	1.0476
70 70 26.3 1.7010 65.2 1.4724 31.9 1.1477 35.0 1.6893 34.7 1 26.3 1.7021 65.2 1.4724 31.9 1.1477 35.0 1.6899 34.6 1.6899 34.6 1.7021 65.2 1.4724 31.9 1.1700 35.0 1.6899 34.6 1.7021 65.2 1.4724 32.0 1.1642 34.9 1.6996 34.6 1.7021 65.4 1.6654 32.0 1.1642 34.9 1.6998 34.6 1.7021 65.8 1.7022 65.8 1.6554 32.0 1.1642 35.0 1.6863 34.7 1 7 26.2 1.7127 65.9 1.6542 32.2 1.1639 34.9 1.6991 34.7 1 7 26.0 1.7244 65.9 1.6544 32.5 1.1439 34.9 1.6991 34.9 1.6991 34.9 1.7140 65.9 1.6544 32.5 1.1439 34.9 1.6991 34.9 1.6991 34.9 1.7140 65.9 1.6991 34.9 1.6991 34.9 1.7140 65.9 1.6991 34.9 1.6991 34.9		10	24.3	1.7023	45.1	1.4729	31.4	1.1440	35.0	1060-1	34.5	1 + 7 - 1
70 71 26.3 1.7021 65.2 1.4724 31.9 1.1677 35.0 1.6899 34.5 1.702 26.2 1.4724 31.9 1.1700 35.0 1.6899 34.5 1.702 26.2 1.4724 31.9 1.1700 35.0 1.6899 34.5 1.7034 65.4 1.4654 32.0 1.1642 34.9 1.6998 34.5 1.7034 65.4 1.6654 32.0 1.1690 35.0 1.6863 34.7 1.71 26.2 1.7124 65.9 1.6554 32.1 1.1690 35.0 1.6889 34.7 1.71 26.1 1.7744 65.9 1.6544 32.4 1.1495 34.9 1.6951 34.9 1.7744 65.9 1.6544 32.4 1.1495 34.9 1.6951 34.9 1.6951 34.9 1.7140 66.4 1.6951 34.9 1.6951 34.9 1.6951 34.9 1.7140		10	24.3	1.7010	65.5	1.4724	31.9	1.1471	35.0	1.6843	34.1	1.6413
70 71 26.3 1.7021 65.6 1.6722 31.8 1.1700 35.0 1.6689 34.6 1.7021 7.7 71 26.2 1.7084 55.6 1.7084 34.6 1.6980 34.6 1.6980 34.6 1.6980 34.6 1.6980 34.6 1.6980 34.6 1.6980 35.0 1.6883 34.7 1.7 26.2 1.7724 65.8 1.6564 32.4 1.6980 34.7 1.1 26.0 1.7744 65.9 1.6642 32.4 1.6980 34.7 1.1 26.0 1.7744 65.9 1.6542 32.4 1.1495 34.9 1.6981 34.6 1.7 26.0 1.7744 65.9 1.6542 32.5 1.1495 35.0 1.6981 34.6 1.7 26.0 1.7744 65.9 1.6542 32.5 1.1495 35.0 1.6981 34.6 1.1 26.0 1.0881 34.6 1.1 26.0 1.0881 34.6 1.1 26.0 1.0881 34.6 1.1 26.0 1.1 26		7.1	24.3	1.7021	65.5	1.6724	31.9	1.1677	33.0	1.6899	34.6	1.6418
70 71 26.2 1.7084 65.4 1.6654 32.0 1.1644 34.9 1.6996 34.6 1.7074 55.4 1.6654 32.0 1.1644 34.9 1.6998 34.6 1.7074 55.8 1.6554 32.1 1.1590 33.0 1.6988 34.7 1.7 26.2 1.7127 65.4 1.6554 32.4 1.1696 34.9 1.6991 34.7 1.7 26.0 1.7744 65.9 1.6544 32.5 1.1439 34.9 1.6991 34.6 1.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7		7.1	24.3	1.7021	45.2	1.6726	31.8	1.1700	35.0	1.0090	34.5	1.0421
70 71 26.2 1.7089 65.4 1.6656 32.0 1.1642 34.9 1.6998 34.6 1.7127 65.8 1.6656 32.1 1.1690 35.0 1.6663 34.7 1.1 26.2 1.7127 65.8 1.6656 32.4 1.1690 34.9 1.69410 34.7 1.1 7.1 26.0 1.7724 65.9 1.6654 32.4 1.1639 34.9 1.69410 34.7 1.1 7.1 26.0 1.7744 65.9 1.6544 37.5 1.1439 34.9 1.69410 34.6 1.1 7.1 26.0 1.7744 65.9 1.6544 37.5 1.1349 35.1 1.6941 34.9 1.6941		11	24.2	1.7085	45.4	1.6654	32.0	1.1646	34.9	1.6906	34.6	10.050
70 71 26.2 1.7044 65.8 1.6552 32.1 1.1590 33.0 1.6863 34.7 1 1 26.2 1.7127 65.8 1.6554 32.4 1.1590 33.0 1.6888 34.7 1 1 26.1 1.774 65.9 1.6554 32.5 1.1539 35.9 1.6951 34.6 7 1 71 26.0 1.774 65.9 1.6554 37.5 1.1339 35.9 1.6951 34.6 7 1 7 26.0 1.774 65.9 1.6554 37.5 1.1339 35.9 1.6951 34.6 1 1.774		11	24.2	1.7089	4.50	1.445	32.0	1.1646	7.47	1.6408	34.5	1.0422
70 71 26.2 1.7127 65.4 1.6654 32.4 1.1696 35.0 1.6884 34.7 1 1 7.174 65.9 1.6645 32.4 1.1695 34.7 1 1 7 26.0 1.7244 65.9 1.6642 32.5 1.1649 34.9 1.6951 34.6 1 7 26.0 1.7244 66.4 32.5 1.1439 35.1 1.6931 34.4 1		7.1	24.2	1.7044	45.H	1.6555	32.1	1.1590	35.0	1.6863	34.1	1.63/6
71 71 24.0 1.7174 45.9 1.6545 32.4 1.1495 34.9 1.6910 34.7 1 1 24.0 1.7244 45.9 1.6544 32.5 1.1439 34.9 1.6951 34.6 1 71 71 24.1 1.7140 46.4 1.634 32.7 1.1395 35.1 1.6831 34.9 1		11	24.2	1.7127	45.K	1.6554	32.1	-	35.0	1.0001	34.1	1.6399
71 71 24.0 1.7244 45.9 1.6544 32.5 1.1434 34.9 1.6545 34.6 1 71 71 24.1 1.7140 44.4 1.6348 32.7 1.1395 35.1 1.6831 34.9 1		11	24.1	1.7174	45.0	1.0545	32.4	1.1495	۲۰۰۶	0150.1	34.7	1.0405
71 71 24.1 1.7140 44.4 1.6848 32.7 1.13495 JS.1 1.68431 J4.4		17	24.0	1.7246	45.0	1.6544	32.5	1.1434	7.47	1669.1	34.6	1.6433
		7.1	24.1		44.4	2454.	32.7	_	1.05	1.6831	7.15	156361

1.6214	1.6049	1.6035	1.0033	10000	00000	2010-	1.6126	1.5008	9905.	6400.	1105.1	***	1.6150	1.6419	1.6415	1.6445	1.6440	1.00437	1.0417	0 0	8020	1.0165	D	2266	100	9776	1.575	25.55	6696.	1.5139	1.5037	1.4578	1.4130	1.3368	1.3079	1.6506		-	-	-	-	1.1399	-	-	1961-1	101367		-	1.1294	-	1.1360	1.1063	8501.	2000	1
35.1	35.4	35.5	35.5	4	20.4	* 5.5	35.3	35.5	35.6	1.05	35.4	34.0	20.35	34.5	34.7	34.6	34.0	34.6	34.7	36.	35.1	35.6	35.5	35.7	1.00	5.45	2000		7007	37.6	37.8			45.0	£.5.		47.7	0.00	40.0	48.7	20.00	0.01	7 . 7	0.00	5.00	0.00		50.5	2006	50.1	55	51.6	51.5		4.10
1.6642	O	1.64%	1.6445	1,0013	1.0014	7350-1	1.6567	1.5470	1.6422	10401	1.03/0	1.6860	1.0009	7.6942	1.0931	1.6963	1.0957	1.6955	1.6938	1.6966	1.6702	1.6660	1.6492	0659.1	1.00.1	200		1.0204	0595.1	1.5531	1.5419	1.4915	777	1.3596	1.3295	1.2007	1.5000	1-1867	-	1.1021	1.13/8	1.1503	1.1510	1.1408	5051.1	2 4 1 1	245	1.1334	1.1364	1.1430	1.1439	1.1119	1.1094	1001.1	7001.1
4.65	33.4	50.00	20.00	4.05	8.00	7.65	4.4	7.07	20.00	20.00	36.1	35.0	35.0	5.45	34.9	34.4	2.17	x • + 5	7.17	7.37	35.4	4.66	33.8	30.0	70.0	1.05	5000	100	1.7.			39.0			+	0		0.00	5.7	20.05	21.4	51.4	51.3	51.5	6.10				26.0	51.7	21.6	1.50	23.6	۶.۶۰	
								1.1420								1.1450	1.1450	1.1434	1.1400	1.1406	1.1395	1.1366	4151.1	1.1308	1.129	1.1297	1.1297	1.1275	1.175	7011	1.1.00	1.1023	1.691	1.0796	1.0417	1.0541	6750-1	1.0430	1.0117	1.0100	1.0074	1.0100	1.0134	1.0161	1.022	1.0213	1.026	1.0300	1.0375	1.0330	1.0338	1.0320	1.0284	1.0306	1.0284
7 68	32.4	32.5	32.5	32.4	32.4	32.3	20.00	30.5	35.4	200	35.1	15.1	35.1	32.7	32.5	32.5	32.5	32.5	32.4	32.4	32.7	32.1	32.9	32.9	35.4	32.0	35.0	33.0	13.				34.1	34.5	35.1	35.3	3.5	35.7	34.5	34.0	34.0	34.0	34.1	34.4	34.4	34.4	34.6	25.03	25.00	36.0	36.0	34.1	34.2	14.1	34.2
2004	5863	1.544.2	1.5462	1.5977	1.5077	2,42,0	. 1000	2700.	1010	1010	4474.	2000	3004	1 7130	1 7120	1 7132	1.7131	1, 7130	1,7113	1,7112	1,6765	1.4763	1,6381	1.4275	1.4275	1.424.1	1.4214	1.4212	1.4175	1.4122	1000	1000	1000	1 3474	.,		1.1040	1.1000	1.1/62		-	1.1300	-	_	-	1.1440	-		10.40		-	1.1046	-	0	1.1020
1		r. 17	r r.	7.17	4.X.	44.4	1.1	1 1 1					* * * *	, , ,		43.	43.4	4.5.4	63.7	43.7	65.0	65.0	7.44	6.7.0	67.0	67.0	47.2	47.2	47.4	4.1.4	r .		7 4 - 1	0	R2.7	4.54	91.5	5.10	4.20	93.50	4.40	3.45	2.46	70.76	7.46	2.50	6.56	3.00	4.00		7	1.17	1.80	a. 125	1.
	200	u459	1174.1	1.6986	1.6400	1.7000	1.70.24	1. (0.8.)	7 .	יסחסי.	0 9 9 9	2010	71 30	2000		1000	2504	1 6036	1 44	Cord	1.6440	1.4474	1.6570	1.0.71	1.6442	1.6453	1.6308	1.6207	1.60.30	1.5799	1.02a4	2710.1	41.4	1.3683	1.3377	1.2424	. 0	1.2142	3	_		1.1647	-	_	-	_	1.1475		1.1279			1.1170	-	-	2850.1
•	2.4.0	24.4	4.19	24.4	20.00	64.3	64.3	24.5	۲۰۰۰	۲۰۰۶	۲۰۰۶	64.1	2	24.0	2	25.5	25. 6	26. 6	24.4	24.7	24.9	27.0	27.0	5.75	27.2	5.75	27.5	1.13	27.4	24.4	20.3	5.00	31.7	a . c .	33.5	35.5	34.9	34.0	37. K	4.15	25.25	34.5	34.5	34.7	39.0	30.0	30.1	34.7	T . C	30.00			40.3	4	1.01
																																																	4 %						
1																																																	7 1						
1			D1.10	4	130	NON	DEC	NAL	4	2 4	400	Y A	7	100	500	1	700		74		2	400	MAY	Z	Jul	900	340	TOO.	NON	DEC	74	1	200	*	7	1:1	9119	2+0	130	200	2	1	2 4	400	MAY	NOT	711	0116	2 .	200	2	7 9	4	200	4

1.0840	1.0745	1.0706	1.0550	1.0317	1.0307	1.0313	1.0327	1.6239	1.0200	1.0051	0766	.9795	9763	12721	9716	1916.
5.75	52.4	53.1	4.55	55.1	5006	55.5	55.1	55.0	55.8	56.6	57.4	20.1	58.5	54.5	50.0	58.3
70001	1.0/83	1.00/43	1.05/3	1.0365	1.0317	1.0365	1.00.1	1.0655	1.0614	1.0055	2155.0	0.7785	80/4.0	0.4/11	0074.0	0.4753
54.3	1.10	55.0	2005	2.12	51.3	21.6	1./5	21.0	21.0	55.0	27.4	00.00	4.00	0.00	5.00	000
1.0275	1.0240	1.0240	1.0231	1.0004	1.0169	1.0156	1.0134	Lenn.1	1666.0	1606.0	1,000.0	1,000.0	0.4436	0.9055	1900.0	0.9900
34.2	34.4	34	3	3. 16.	34.1	34.7	14.7	37.1	37.2	37.2	17.4	37.4	37.5	37.4	27.4	G. 48
1.1017	1.1006	1 . 46.7	1.0445	17501	1.056	1.0557	1.0550	1.0323	1.0254	1666	1000 V	" 94.77	0.9600	0.003t	1.9535	0.9404
J.	0.00	3.00	103.01	103.2	103.2	103.2	103.2	105.5	106.2	1001	104.2	112.4	113.5	114.3	114.3	113.4
1.0740	1.0.13	1.0592	1.0497	HALO.	1.0154	1.0170	1.0175	1.0204	1.0180	1.0040	2720.0	1.9x6.	3466°C	0.9H35	alab.c	a 217.0
3.1.		47.3	1.50	4.4.1	44.1	44.1	6.55	43.0	0.77	7.77	10.4	40.5	7.01	42.0	£ 10 . T	44.5
7	2	11	11	7.1	11	11	11	11	11	11	11	11	11	11	11	11
74	14	74	14	14	14	14	74	11	11	17	11	11	11	11	11	11
Y A	7	11	SIL	100	130	202	2	74	1	2	000	**	7	1	5110	245

HISTORICAL INFLATION OUARTERLY INDICES

RAM MATERIAL PORTION ONLY

		Alpfond	PENNUCTION	FNGINE P	Pennuction	AVTONICS	AVTONICS PRODUCTION	AGGREGATE EACLUDING	ANTONICS	AUGKE GATE INCLUDING	AIR VEHICLE AVIONICS
		INDEX	FACTOR	INDEX	CACTOR	INDEX	FACTOR	INUEX	+ ACTOR	INCEX	FACTOR
		- X X X Z	F v 7 7=	=1440	F v 7 7 =	CY67=	F Y 77=	C167=	=114	Cre7=	+ Y / 7=
010	5	100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0	1.0000
:	:	:::									
•	47	24.1	1.8624	45.5	2 07×3	31.4	1.1250	30.4	1.9455	30.5	1.8672
,	47	24.3	1.8472	24.0	2,0192	31.3	1.1880	30.4	0+16.1	30.9	1.8404
-	a	5.45	1.8273	54.3	1500.5	31.3	1.1440	31.6	1.8962	31.5	1.8252
~	a	54.5	1.8327	74.4	7,0041	31.3	1.1896	31.1	1.8993	31.1	622001
•	40	24.6	1.8232	76.5	70000	31.2	1.1930	31.6	1.8760	31.2	1.8222
,	4	54.5	SOFA.1	7.90	2.0100	31.2	1.1920	1.15	6668.1	31.1	1.5590
-	04	25.0	1.7410	4.55	1,0555	31.4	1.1+30	31.00	1.4555	21.0	1.841
~	04	25.5	1.7679	24.4	1.9712	31.7	1.1746	36.4	1.8253	36.3	1.7614
-	09	25.6	1.1474	1.72	1.9044	31.7	1.1727	36.4	1.8100	36.5	1.1478
,	09	24.0	1.7334	62.0	1.7547	32.0	1.1446	4.65	1.7435	33.7	5440.
-	10	24.1	1.7146	65.1	1.6734	31.7	1.1746	x • # 7	1.69/5	34.5	1.6695
,	10	24.3	1.7044	64.1	1.4734	31.7	1,1754	7.45	1.0916	34.0	****
-	10	24.3	1.7042	5.59	1.6702	31.4	1.1473	0.55	1.6901	24.5	1.6420
,	10	24.2	1.7100	45.7	1.6580	32.1	1.1416	0.45	1.6887	34.7	1.6399
-	11	24.1	1.7174	44.1	1.6485	32.5	1.1443	35.0	1.6897	34.7	1.6386
~	11	24.4	CX27.	47.4	1.6166	32.4	1.1480	35.5	1.6638	35.2	1.6163
•	11	24.45	1.6973	44.7	1.5467	32.5	1.1469	35.8	1,6501	35.5	1.00.1
,	11	24.4	1.7007	₩. T.	ab45.	32.3	1.1513	15.7	1.6534	35.4	1.6076
-	12	24.45	1.6961	64.7	1.5862	32.5	1.1465	35.x	1.6493	35.5	1.6033
~	12	4.45	1.6421	47.4	1.4153	32.7	1.1395	7.05	1.69.1	35.4	1.6066
•	72	24.7	1.4412	63.0	1.7062	32.7	1.1309	34.0	1.6914	34.7	1.6395
,	12	34.4	1.6840	43.6	1.7131	32.5	1.1447	24.3	1.6758	24.3	1.6440
_	13	24.7	1,6750	64.1	1.6095	32.4	1.1402	35.1	1.0855	34.8	1.6344
`	73	27.1	1.6555	44.2	1.647	32.9	1.1329	35.5	1.0560	35.5	1.6(39
-	73	27.3	1.6414	67.1	1.6251	32.0	1.1297	1000	1.6347	35.4	1.5882
,	13	2ו0	1.6012	47.4	1.6170	33.1	1.1240	20.7	1.6077	36.46	1.5637
-	74	20.05	1.5045	60.7	1.5640	73.6	1.1085	7.05	1.5683	34.1	1764.1
~	74	32.7	1.3719	78.0	1.3811	34.4	1.0769	44.9	1.3756	1.24	1.3511
-	74	34.4	1.2302	3.74	1,2183	35.6	1.0448	2.04	1.2253	47.6	1.4116
,	14	37.4	1.1910	93.0	1.1715	34.4	1.0184	r. r.	1.1829	49.0	1.1706
-	75	34.5	1.1639	1.76	1.121	36.4	1.0103	51.5	1.1463	20.1	1.1363
^	75	0.16	1.1520	2.46	1.1331	34.5	1.0109	51.6	1.1442	20.1	1.1351
-	75	30.5	1.1345	45.4	1.1425	34.2	1.0249	21.0	1.13/8	20.00	1.1298
,	75	30.6	1,1312	64.3	1,1557	34.0	1.0350	51.1	1.141.	5005	1.1335
-	74	60.3	1.1116	7.40	1.1040	34.1	1.0302	53.3	1.1083	01.0	1.1029
~	14	٠- ٢٠	1.0400	0 × 0	1.1017	34.3	1.0246	54.3	1.0688	55.5	1.0845
-	14	43.0	1.0414	101	1.0735	36.4	1.0225	⊃•qc	1.0544	1.45	1.0523
,	74	44.1	1.0173	103.2	1.0558	34.7	1.0152	21.5	1.0328	55.1	1.0316
-	11	1.77	1.0161	104.0	1.0101	37.2	1.0006	1.80	1.01/4	56.0	1.0163
1	11	40.0	0 * 9H40	9.111	11,4743	17.4	*************	60.9	0.9803	58.0	0.9812
•	11	4.4.5	0.9437	114.0	1450.0	37.6	2000.0	r.00	0.9721	34.4	0.9733

HISTORICAL INFLATION

SAW MATERIAL PURTION UNLY

ומבמית בייטונו	P-OBULTION	6 3619W3	PERRICTION	AVTONICS	NOTLUNGUES	EACLUDING	av Iunics	INCLUDING	TATONICS
× 400	CALTOD	X	FACTO	1 NOF	FACTOR	INDEX	FACTOR	INDEX	FACTOR
** 7=	E > 7.7=	=/440	F . 7 7=	C × 6 7 =	F Y 77=	CY6/=	F 177=	CY6/=	FY77=
0.00	1.0000	100.00	1.0000	100.0	1.0000	100.0	1.0000	100.00	00000-
				:					
24.3	2000	3.	2,0264	31.3	1.1880	30.4	1.9136	36.9	1.8460
24.0		2	1 7740	7.1.	1.1841	4.15	1.8677	31.0	1.0000
24.0	1. 7240		1 7484	3.5	1.1717	34.1	1.7344	33.4	1.6816
25. 2	7010	1 - 4 5	1 5483	32.2	1.1551	35.1	1.6630	34.8	1.69.1
	0 000	T T	1000	32.5	1.14.0	35.6	1.6517	35.4	1.6054
	1 2 2 2 2	1 1	1 74	12.7	1.1394	35.1	0100-1	7.39	1.6303
20.02	5225	70.07	1 5401	23.5	1.1004	2000	1.5296	1.85	1.4926
37.0	1 1,35	0	1 1600	34.4	1.0236	50.3	1.1738	r. 23	1.1626
	11.30		1.200	34.1	1.0297	27.0	1.1186	51.1	1.1123
	0.14	5-101	1 0735	14.4	1.0225	0.90	1.0544	24.1	1.0523
		2 501	0000	17 7	1-000	27.1	1.0000	5000	00000

APPENDIX J

SENSITIVITY ANALYSIS.

APPENDIX J

SENSITIVITY ANALYSIS

Many considerations are important in the construction of Historical Indices for tracking purposes. These certainly include:

- a. The items chosen to comprise the index:
- (1) How representative these items are.
- (2) How closely these items can approximate the actual materials used, if precise material indices are not obtainable.
- (3) The number of items used, and the detail in the analysis which produced the indices.
 - b. Determination of the percent contribution to cost "Cost Drivers"
 - c. The weighting factors employed in the overall analysis.

An obvious problem confronting those who must determine the validity of an index developed for historical tracking purposes is the aggregate labor/material weighting factors. In tracking major weapons systems, often times it is stated as say 40/60 - that is 40 percent material and 60 percent labor - as percentage contributions to cost. Because it is difficult for analysts to determine the "correct" aggregate mix of labor and material when external to the project, the aggregate split is obviously of interest.

The value for any index depends, basically, on three factors:

- a. The number of factors employed, and the quality and detail contained in the analysis.
- b. The values of each component of cost used in the construction of the index.

c. The weights, or levels of importance, given the factors, individually and collectively.

ANALYSIS: The objective of the sensitivity analysis which we performed is to shed some light on the aggregate material/labor split, which has been a controversial issue for some time.

Through the use of a set of recursive linear equations, the effect on the historical inflation index for airframe resulting from varying the aggregate weighting scheme was calculated, in both raw and percentage terms. The calculations were made using a Wang system 2200 mini computer, and a sample printout follows. The results provide strong evidence that the key to a successful index resides in item (1), the number of factors employed, and the quality and detail in the analysis used in preparing the index. In retrospect, because wages are often tied to the Wholesale Price Index, or other price indices, in labor agreements, it is not surprising that aggregate weighting percentages for labor and material might not be an extremely sensitive issue. However, the calculations provide strong support for the position that the identification of cost components and the depth and quality of detail in an analysis are of paramount importance, when developing an index to be used in controlling the cost of a major weapon system.

YEAR 1972

GROSS				NEW INDX	CURR INDX	PERCENT CHANGE
. 378						
. 200	. 6220	. 2411	. 7588	1.289	1. 289	Ø. Ø
. 200	. 8888	. 1868	. 8931	1. 3222	1.2898	2. 58
. 250	. 7588	. 1468	. 8591	1.3139	1.2898	i. 93
. 300	. 7066	. 1777	. 8222	1.3048	1. 2890	1, 23
. 350	. 6500	. 2175	. 7824	1.2951	1. 2896	Ø. 47
. 400	. 6888	2683	. 7396	1. 2846	1.2890	- 0, 33
. 450	. 5500	.3059	. 6940	1. 2734	1.2890	- 1.20
. 500	5888	3545	. 6455	1.2615	i. 2890	- 2.12
. 550	. 4588	. 4859	. 5948	1. 2489	1.2890	- 3. úö
. 600		4663	_, 5396	1, 2356	1,2890	- 4. j.4
	. 3566	. 5175	. 4824	1. 2215	i. 2898	- 5. 23
766	3066	. 5777	4222	1. 2068	1. 2890	6. 37
. 750	. 2566	. 6488	3591	1. 1913	1. 2890	- 7, 57
800	. 2888	. 7868	. 2931	1. 1751	1. 2890	- 8. 83
SIC 3721	= 4.740	SIC 372	23. 9 ==	4.370 1	VEW MOT IN	0 = .2660